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Catalogue
1986-1990

723-1059

Hastings Reservation
Monterey Co.,
Calif.

Madrone Canyon, Hastings Natural History Reservation, Monterey Co., CA.

June 7

723 ♀ *Peromyscus californicus*. White tail tip. Caught in live trap; sacrificed (Grid MC-1)
mature, nonbreeding, nulliparous 220-125-~~35~~ 27 - 22 = 39g, P.O. closed.

June 25

724 ♂ *Peromyscus californicus*. Caught in snap trap by left rear leg, upper shed
mature, nonscrotal 215-109-27-24 = 34.5g ~1/8 mi WE

725 ♀ *Peromyscus boylii* Caught in snap trap by right rear leg " "
~~mature, nonbreeding~~ imp, parous 3 years (3), 1+) 175-87-22-17 = 19.5

Complete skeleton only 726 ♂ *Peromyscus* ~~*californicus*~~ *boylii* (?) (3). Caught in snap trap by tail; l. rear leg, " "
immature, TND (95)-(25)-22-18 = 11g Tail sheath lost in trap.

June 26

Complete skeleton only 727 ♂ *Peromyscus boylii* 178-90-22-19 = 22g " "
mature, nonscrotal

0.9 mi E of Hastings Gate, Hastings Natural History Reservation, Monterey Co., CA.

June 27

Complete skeleton only 728 ♂ ~~♀~~ *Sorex trowbridgii* 102-51-14-8 = 5g. Trap mortality
~~♂~~ ~~♀~~

729 ♀ *Sorex* ~~*haydeni*~~ *ornatus* (?) 80-36-12-4 = 3.5g " "

0.25 mi upstream of Hastings Gate, Finch Creek, Hastings N.H. Reservation, Monterey Co., CA.

June 29

Complete skeleton only 730 ♂ ~~♀~~ (?) *Sorex trowbridgii* 100-48-14-7 = 4.5g Trap mortality
~~♂~~ ~~♀~~

1/8 mi upstream of Hastings Gate, Finch Creek, " " " "

June 30

Complete skeleton only 731 ♂? *Sorex trowbridgii* 100-49-14-8 = 4.5g Trap mortality

July 1

Complete skeleton only 732 ♂? *Sorex trowbridgii* 103-48-14-8 = 5g. " "

0.2 mi W. of G16 (by Arnold Rd), West Ravine, Hastings N.H. Reservation, Monterey Co., CA.

July 3

Complete skeleton only 733 ♂ *Peromyscus truei* 179-96-24-24 = 23g Trap Mortality
scrotal testes, t = 7x5 mm.

1/2 mi E. of Pony Rides, Tilden Regional Park, Contra Costa Co., CA.

April 26

Skull only 734 ? *Urocyon cinereoargenteus*. Found dead; rotting in arroyo. Estimated time since death 1/2-1 month.

0.4 mi upstream from Hastings Gate, Robertson Creek, Hastings N.H. Reservation, Monterey Co., CA.

July 25

Complete skeleton only 735 ♂ ~~Sorex~~) Sorex trowbridgei 97-47-13-__ = 5.2g. Trap mortality

Betty's Lab, Hastings Natural History Reservation, Monterey Co., CA.

July 27

nonscrotal, TND tail bobbed (Terrible skin due to frozen)

Lime BG 736 ♂ Peromyscus truei. 147-(57)-22-22.5 = 21g Snap-trapped

Madrone Canyon, " " " " " " " "

Complete skeleton only 737 vulva closed, parous ♀ Peromyscus truei. 195-97-23-23 = 29.5g. Caught by foot in trap & sacrificed. Grid MC-1, station 10,7. See Grid Data.

Unit BB

Highway 1 (16) Carmel Valley Rd), Carmel Valley Village, Monterey Co, CA.

738 ♀. Didelphis virginiana D.O.R. Given to Scott Dyke, UCSF.

Berkeley [1295 Campus Dr.], Alameda Co., Calif.

August 1

immature

739 Didelphis virginiana. Killed by my dog

Juniper Flats, Joshua Tree National Monument, San Bernardino Co., Calif.

August 10

Complete skeleton only TND 740 ♂ Ammospermophilus leucurus. 210-60-37-8 = 88g Trap mortality

" " 741 ♀ " " 211-68-38-9 = 80g " "

Robertson Creek (Grid RC-1), Hastings Natural History Reservation, Monterey Co, Calif.

August 21

Complete skeleton only 742 ♀ Microtus californicus 151-43-20.5-18 = 39g Previously toe clipped # 0100. Trap mortality

Arroyo. N. of Rock House, Hastings N.H. Reservation, Monterey Co., Calif

August 23

Dec. 87 743 ♀ Vagina & uteri swollen. ♀ Sorex trowbridgii 100-48-13-7 = 4.5g. Stored in freezer & dried out Trap mortality

Robertson Creek, Hastings Natural History Reservation, Monterey Co., Calif.

August 27

744 nulliparous ♀ Peromyscus boylii 181-91-22-19 = . Captured 22 August 1986

skeleton only 745 IMP, nulliparous. ♀ Perognathus californicus 194-107-26-11.5 = 19g Captured 23 August 1986

skeleton only 746 IMP., parous ♀ " " 192-102-25.5-12 = 21g " " "

Hastings Natural History Reservation, Monterey Co., Calif

August 28

Complete skeleton only 747 nulliparous ♀ Peromyscus boylii 169-84-21.5-18 = 15g. Captured 23 August 1986.

Sagehen Creek, 2.6mi N. Hobart Mills by Hwy 89, Nevada Co., Calif. 6660ft.

September 13

748 T.ND., unmeasurable (tiny). ♂ Peromyscus maniculatus 137-63-20-16 = 15.5g (Collected by Nancy Greenwald NSBG #008)

Hastings Natural History Reservation, (Madrone Canyon), Monterey Co., Calif.

October 17

749 parous; nipple swollen-non-lactating. 2 uterine scars left, lrt. ovaries w/ follicles. ♀ Peromyscus californicus 234-123-26.5-25 = 33.4g Tr

Hastings Natural History Reservation [Robertson Creek], Carmel Valley, Monterey Co., Calif.

December 18

750 TND; t=4mm (white); sv=1.5 ♂ Perognathus californicus 201-114-27-12 = 22.4g Trap Mortality on RC-1, st. 6, 11

" " " " [Red House], " " "

Captured December 12; killed 19 December

751 imperforate, nulliparous ♀ Peromyscus truei 202-104-23.5-24 = 27g

1987

[Robertson Creek]

February 1

Complete skeleton only 752 imperforate, nulliparous ♀, Peromyscus boylii 171-93-22-18.5 = 18g. Trap mortality Grid RC-1, st 9, 17

February 2

Complete skeleton only 753 t=5x3mm ♂ Sorex trowbridgii 101-~~48~~ 46-14-8 = 6g. Trap mortality Grid RC-1 st 6, 15

" [Big Creek] "

February 3

+ Hsmears 754 TND t=6x3mm (white) ♂ Peromyscus californicus 235-126-26.5-24 = 27g Captured 1 Feb

Hastings Natural History Reservation [Big Creek], Monterey Co., Calif.

February 3

+ tissues 755 TND t=8x5mm (white) ♂ Peromyscus californicus 240-124-26.5-23.5=35.5g — Captured 1 Feb. 1987

+ tissues 756 TND t=7x5 mm (white) ♂ Peromyscus californicus 241-130-26-24=26.5g — Captured 1 Feb 1987

Tilden Nature Center, Tilden Regional Park, Contra Costa Co., Calif.

February 13

757 parous, imperforate ♀ Scapanus latimanus 176-28-22-—=82g. — Found dead on grass field. Hemorage & 1 hole on lft thorax.

Hastings Natural History Reservation, [Robertson Creek], Monterey Co., Calif.

March 27

758 lactating; 2l, 2r embryos (embryos early development, look like penis') c-r=6mm. ♀ Sorex trowbridgei 107-49-15-3 =7.2g — #020. Tagged 1 Feb 87. Trap mortality on grid RC-1. Lactating when found.

March 28

759 lactating > 2l, 2r embryos, c-r=4mm ♀ Sorex trowbridgei 107-47.5-14-9 =7g

Complete Skeleton only 760 t=5x3mm ♂ Sorex trowbridgei 101-48-14-8=6g

Both trap mortalities on transect B, west of grid RC-1

March 29

Complete skeleton only 761 TND ♂ Reithrodontomys megalotis 132-75-17-13 =7.5g — Trap mortality on trapline B, west of grid RC-1.

Granite Mts. Reservation [Dorner's Camp], San Bernardino Co., Calif. 4000ft.

May 21

762 Imp., parous; scars 2 left, 2 rt. ♀ Neotoma lepida 295-134-31-27=107.5g — Prep: C.A. Lukey — Trap mortality ~100m NW of Dorners Camp

nated to Lilip Cohen, nite Mts. Reserve.

5mi. S of I-40 on Kelbaker road, San Bernardino Co., Calif., ~1800ft.

May 23

763 TND testes=9x4mm, white ♂ Dipodomys deserti 310-175-53.5-15.5=87g. — DOR

Hastings Natural History Reservation [Robertson Creek], Monterey Co., Calif.

June 2

764 ~~imperforate~~, nulliparous, ovaries white ♀ Peromyscus californicus 218-113-20.5-2.4 =34.5g — tagged #1078 in AM. Died in trap (5,17) during day on Grid RC-1.

June 3

765 ~~Imperforate~~, t=3x1.5mm, creamy. ♂ Sorex trowbridgei 95-42.5-14-7=5g. — Trap mortality on Grid RC-1, station 5,12.

" " [Madrone Canyon], " "

June 4

766 TND, t=8x5½ mm, white, fem. 3.T=9mm, clear ♂ Peromyscus californicus 210-115-26-24=30g — Trap Mortality. Grid MC-1, st. 9,13. Hemorages on rt. rear leg. Originally tagged 2 June #1073

Hastings Natural History Reservation [Robertson Creek], Monterey Co., Calif.

June 6

767 ♀ *Microtus californicus* — imperforate, nulliparous — 156-47-22-16 = 32g.

Confiscated by California Fish & Game from pet store [no other locality info]

July 8

768 ♀ *Rhodopus sungorus* — imp., nulliparous — 94-12.5-12-15 = 24g — tissues, complete skeleton, flat skin — Captured late June.

769 ♀ " " " — 90-11-13-14.5 = 22g — tissues, + partial skeleton — Captured late June.

770 ♂ — scrotal. t = 13×10mm — 103-13-15-16 = 30.5g — tissues, partial skeleton — Captured late June.

Hastings Natural History Reservation [Robertson Creek], Monterey Co., Calif.

July 18

771 ♂ *Sorex trowbridgei* — TND, no measurements. — 99-49-14-7 = 4.5g — Trap mortality on Grid RC-1, St. 6, 9.

July 19

772 ♀ *Sorex trowbridgei* — nulliparous, no scars, uterus clear & string like - 1.1cm — 98-53-14-8 = 4.5g. — Trap mortality on Grid RC-1, St. 6, 17

773 ♂ *Perognathus californicus* — TND, t = 4×2mm, white. SV = 3mm, brownish — 192-116-27-12 = 21.5g. — + tissues to B. Rainey — Trap mortality on transect RC-2. Toe-clipped # 010 on 18 July 87.

July 20

774 ♂ *Sorex trowbridgei* — TND, t = 3×2mm — 97-49.5-13-7 = 5g. — Trap mortality on GRID RC-1, St. 5, 12

775 ♂ *Neotoma fuscipes* — Scrotal, t = 16×9mm (pinkish), SV = 6mm (clear & soft) — 391-188-41-28.5 = 269g. — + partial skeleton — Tagged 3 June 1987. Trap mortality on GRID RC-1, St 5, 14.

July 22

776 ♂ *Sorex trowbridgi* — t = 3×1.5mm — 102-50-15-9 = 5.5g. — Toe-clipped 18 July. Died on Grid RC-1. St. 5, 12

777 ♂ *Sorex trowbridgi* — t = 1.5mm (cuticle). — 92-46-14-8 = 4g

" " " " " [Pearson Field], " " "

July 22

778 ♀ *Thomomys bottae* — imperforate, nulliparous — 197-64-28-7 = 81g. — + tissues to B. Rainey

" " " " " [Robertson Creek], " " "

July 23

779 ♂ *Sorex trowbridgei* — Couldn't find testes — 103-52-14-8 = 5g. — full skeleton only — Trap mortality on GRID RC-1, station 6, 17

780 ♀ *Neotoma fuscipes* — perforate, parous, lactating. 2 scars rt. (recent). 1 left (old). — 396-195-41-33 = 210g — " " " — Trap mortality on Transect RC-1

Hastings Natural History Reservation [Robertson Creek], Monterey Co., Calif.

August 5

Skull only — 781 — ♀ — nulliparous — Peromyscus californicus — no measurements — Originally ear-tagged #1911 on 17 July 87. Found dead in trap.

Skull only — 782 — ♀ — parous — " — " — " — " — Originally ear-tagged #1919 on 21 July 87. Found dead in trap.

August 8

783 — ♀ — Neotoma fuscipes — 336-144-39-32=235g. — imper., parous. scars / left(old), 3rt(1 new, 2 old). Wamble removed. Originally ear-tagged #1077, 2 June 87. Found id foot, caught in door on GRID RC-1; sacrificed. Brd

" " " " [Madrone Canyon], " " "

August 15

784 — ♂ — Sorex trowbridgei — 111-52-15-8 = 4.5g. — Trap mortality on Grid MC-1.

" " " " [1st Crossing], " " "

August 20

+ tissues — 785 — TND. t=10x6mm. sv=14mm — ♂ — Peromyscus californicus — 239-125.5-26-26=38.5g — Captured 15 Aug 1987. Originally tagged #1902, 14 July 87

" " " " [Robertson Creek], " " "

October 3

— — t=3x2.5mm, beige

Dec 87 — 786 — ♂ — Sorex trowbridgei — 99-47-14.5-8=5.2g. — Trap mortality on drift fence of RC-1. Leg lost in prep.

" " " " [Madrone Canyon], " " "

~~787~~

October 4

+ liver, kidney, & muscle tissues — 787 — scrotal t=14x9mm - white. sl.=12mm clear. Epididymis full. — ♂ — Peromyscus boylii — 199-109-24-2.0=22g. — Trap mortality on MC-1 drift fence, St. E-7 (out)

" " " " [Robertson Creek], " " "

October 4

Dec 87 — 788 — t=2x1.5mm — ♂ — Sorex trowbridgei — 97-48-14.5-6=4.5g. — Trap mortality on RC-1 drift fence. St. E-7

October 5

Dec 87 — 789 — no visible scars - nulliparous. Uterus threadlike — ♀ — Sorex trowbridgei — 102-50-14-7 = 5g. — Trap mortality on Grid RC-1, Station 6, 17.

" "

October 12

Dec 87 — 790 — imperforate, parous (no visible scars) — ♀ — Thomomys bottae — 181-60-29-5 = 80g — Caught on RC-1 drift fence, St. W-3 (in)

October 19

Dec 87 — 791 — [redacted] scrotal. t=9x5mm, sv=L. — ♂ — Peromyscus maniculatus — 148-65-20.5-18=14g — First caught 19 July 87 and toe-clipped. Found dead in trap. Grid RC-1 drift E-7 (out)

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

October 20

t=5x3 mm, yellowish

Dec 87 792 ♂ Sorex trowbridgii 97-50-14-7=5g. Trap mortality on RC-1 drift fence, St. E-7(out)

October 21

parous (based on sing of uteri), ovaries white, no visible scars tc # ~~0000~~ 0220 7Aug87(?)

Dec 87 793 ~~♀~~ Sorex trowbridgii 103-52.5-15-8=5.5g. Trap mortality on RC-1., St. 5,17

November ~~4~~ 3

Couldn't find testes. toe-clipped #0200 6Aug87

Dec 87 794 ♂(?) Sorex trowbridgii 100-51-14-8=5g. Trap mortality on RC-1. St. 6,14

t=6x3.5mm (cream)

Dec 87 795 ♂ Sorex trowbridgii 101-52-14-8=5g. Trap mortality on RC-1 drift line (W-8)

November ~~4~~ 4

t=11x7mm, whitish. Epididymis full. Killed. Trapped on RC-1 drift

Dec 87 796 ♂ Scapanus latimanus 170-36-23—=64g. line. St. W-3(in).

November 5

t=3x2mm (cream colored)

Dec 87 797 ♂ Sorex trowbridgii 101-51-14-8=5g. Trap mortality on RC-1 drift line. St. E-7 (in)

November 6

lactating. 3 rt. scars. (2old 1 left). Trap mortality on Grid RC-1, St. 5, 8

Dec 87 798 ♀ Peromyscus boylii 186-100-22-20=25g

t=5x3mm (cream colored) Trap mortality on Grid RC-1, St. 6,9

Dec 87 799 ♂ Sorex trowbridgii 97-50-15-8=5g

November 7

t=11x6mm (white). Epididymis(?) full. Killed. Trapped on RC-1

Dec 87 800 ♂ Scapanus latimanus 166-37-23-=77.5g. drift line. St. W-9(out)

t=4x2mm (cream) Trap mortality on Grid RC-1, St. 6,10.

Dec 87 801 ♂ Sorex trowbridgii 99-48-14-8=5g.

Hastings Natural History Reservation (Madrone Canyon) Monterey Co., Calif

November 9

t=4x2mm (cream) Trap mortality on RC-1 drift fence. St. W-5(out)

Dec 87 802 ♂ Sorex trowbridgii 98-52-14-8=5.5g.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

November 11

nulliparous. Uteri thread-like toe-clipped # 340 8 Oct 1987.

Dec 87 803 ♀ Perognathus californicus 192-109-26-12=17g Trap Mortality drift line RC-1, W-9(in)

November 25

Uteri & vagina swollen Trap mortality drift fence RC-1, E-7(in)

Dec 87 804 ♀ Sorex trowbridgii 99-48-14-8=5.2g

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

November 26

B05 TND. t=3x2 (white) ♂ Peromyscus californicus 172-105-27.5-12 = 16g toe-clipped 310 11 Nov 1987 Mortality on MC drift line W-1 (east)

" " " " (Robertson Creek) " "

November 26

B06 t=10x7 (cream) ♂ Scapanus latimanus 154-32-22__ = 70g. Trapped on RC drift fence. W-9/5.

November ~~27~~ 30

B07 t=5.5x3 mm (creamish) ♂ Sorex trowbridgii 101-49-14-[illegible] = 6g. Trap mortality on grid RC, Station 6, 18.

December 1

B08 lactating. 2 scars rt. ~~tail short~~ Lost tip of tail previously ♀ Neotoma fuscipes 359-144-42-33 = 210g Trap mortality on Grid RC, St. 6, 11.

December 3

B09 t=5x4mm (creamish) ♂ Sorex trowbridgii 101-51-13.5-9. = 6.5. Toe-clipped 0160. Trap mortality on RC drift fence, St W-4 (east)

December 4

B10 t=4x3mm (creamish) ♂ Sorex trowbridgii 108-51-14-8 = 6.0g toe-clipped ~~0120~~ 30 Nov 87 Trap mortality on RC drift fence, St W-4 (W)

December 9

B11 t=13x6mm (pinkish). Sungular gland between testes 18mm long ♂ Scapanus latimanus 150-36-22- = 74g. (?~~Prostate~~ Seminal Vessicle ?) Caught in live-trap and killed. RC drift fence. St W-9

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif.

B12A (see below) December 16

B12B testes descended (TD). t=9x6mm (creamish) St=9mm. epididymis full ♂ Peromyscus boylii 198-105-23-20 = 22g Trap mortality on Grid WR, St. 4, 6

B13 TD. t=16x9mm, epididymis full, st thin? threadlike ♂ Neotoma fuscipes 392-182-44-32 = 212g. Trap mortality on Grid WR, St 4, 6.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

December 20

B14 Complete skeleton only nulliparous ♀ Microtus californicus 92-24-16.5-10 Found dead in pit can on RC drift fence (E-B). Scavenged by ants

December 21

B15 t=6x4mm creamish ♂ Sorex trowbridgii 105-49-14.5-8 = 5g. Trap mortality on RC drift fence. W-9. toe-clipped 040

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

December 11

insert above

B12A TD, t=8x5mm. SV=9mm ♂ Peromyscus maniculatus 141-69-19-17 = 15.5g

CF=29

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

January 8

Feb 88

816 ♀ *Sorex trowbridgii* 101-52 - 14-8 = 5.5g
lactating. Extremely fat. No visible placental scars
previously toe-clipped #010
Mortality on GRID RC, St. 6,11

January 10

817 ♀ *Peromyscus californicus* 212-112.5-28=26 = 48g.
pregnant. 3 embryos. 1 left, 2 rt. cr = ~~28~~ 19, 18, 17 mm.
† partial skeleton, tissues (liver, kid, heart, muscle, 2 embryos, 2 placenta in nitrogen), and 1 fetus in alcohol.
Trap Mortality on Grid RC, St 5,15.
#1079
Originally ear-tagged 2 June 1987

818 ♀ *Peromyscus boylii* 152-84-22-18.5 = 14g.
nulliparous.
t=6x3mm. greenish.
Trap mortality on Grid RC, St 8,10.

819 ♂ *Sorex trowbridgii* 99-47.5-14.5-8 = 5g
t=5.5x3mm greenish.
Trap mortality on RC drift fence, St. E-6 (out). Toe clipped #030.

820 ♂ *Sorex trowbridgii* 101-51-15-9 = 5g
Trap mortality on GRID RC, St 4,13

January 12

821 ♂ *Peromyscus boylii* 157-86-22-19 = 16g.
TND t=6x4mm (whitish)
Trap mortality on GRID RC, St. 7,9

822 ♂ *Peromyscus boylii* 156-81-23-18 = 16g
TND t=8x5mm (white? fem)
Captured torpid on this day and died in holding cage. From GRID RC, St 7,10.

January 14

823 ♂ *Peromyscus boylii* 152-80-22-18.5 = 16g.
TND t=7x4.5mm (white? fem)
Mortality on RC drift fence, St. E-7 (in)

824 ♂ *Sorex trowbridgii* 100-49-14-8 = 6g
t=5x3.5mm (greenish)
Mortality on transect east of GRID RC.

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif.

January 23

825 ♂ *Sorex trowbridgii* 107-50-14.5-8 = 6g.
t=5x3.5mm (greenish)
Mortality on Grid WR, St 6,4.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

January ~~27~~ 27

826 ♀ *Reithrodontomys megalotis* 129-73-17-15 = 10g.
lactating. 4 scars (3 left, 1 rt).
toe-clipped 01010.
Mortality on RC drift fence E-7 (out)

February 2

827 ♀ *Peromyscus boylii* 152-78-23-18.5 = 16g.
Nullip. Uterus swollen, ovaries blistered (approaching estrus).
Trap mortality on RC drift fence. St. W-1 (in)

February 3

828 ♂ *Reithrodontomys megalotis* 127-74-17.5-12 = 9.5g.
TND t=7x4mm (creamish). Epididymis full. ~~5~~ 9mm, full.
Trap mortality on RC drift fence St. W-7 (out).

829 ♀ *Sorex trowbridgii* 105-50-14-8.5 = 7g
lactating. No visible scars. Very fatty
Trap mortality on Grid RC. St. 7,17.

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

February 4

830 ♂ Peromyscus boylii 174-89-23-21.5 = 21.5g
TD. t=10x6mm. sV=9mm
toe-clipped #030
Mortality on MC drift fence W-13(out).

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

February 6

831 ♀ Peromyscus boylii 169-84-22-20 = 17g.
Nulliparous. Uteri swollen. Ovaries blistered
toe-clipped #02130 5 Feb 88
Trap mortality on west RC drift fence in pit fall

February 8

832 ♀ Peromyscus boylii 163-75-22-20 = 18g
Nullip. Uteri swollen
toe clipped 02210 8 Feb 88
Trap mortality on west RC drift fence in pit can

February 9

833 ♂ Sorex trowbridgii 108-53-14-8 = 5.9g.
t=5x3mm (green ocher).
toe-clipped #0340
Trap mortality on RC drift fence (W-4 in) - pitfall

February 10

834 ♂ Sorex trowbridgii 111-53-15-9 = 6.2g
t=10x3.5mm (green ocher)
Trap mortality on RC drift fence W-9(in)

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

February 19

835 ♂ Peromyscus boylii 167-91.5-22-19 = 21.5g.
TD. t=13x8mm. l=.38g. r=.39g sV=12mm (full)
toe-clipped #04140 16 Dec 87.
Mortality on GRIDMC, St 8,11.

" " " " (Robertson Creek), " " " .

February 20

836 ♂ Sorex ~~trowbridgii~~ obscurus (?) 96-46-14-8 = 5.5g. Mortality on RC drift fence W-8 (out) Pit Can.
t=5x3mm (green ocher) trowbridgii
2 Feb 88

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif.

March 4

837 ♀ Sorex trowbridgei 106-50-14-8.5 = 7g
lactating. 3 scars rt, 2 lt. Very fat
toe clipped #0200
Mortality on Grid WR, st. 8, 5

March 5

838 ♀ Peromyscus californicus __-136-25-24.
lactating - 2 fresh scars rt.
post-cranial skeleton only + tissues.
(left ear indicated ear had been clipped for tag) Animal caught by tail in trap door. Head had been scavenged. Grid WR, St 3.3. Probably #1964 which was tagged 21 Oct 1987

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

March 19

839 ♀ Peromyscus boylii 154-80(bobbed)-23-18=18g.
lactating. 3 scars (2 left, (right)
toe clipped # 02310, 9 Feb 88.
Mortality on RC drift fence 4 W-8 (in)

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

March 22

June 88

840 ♀ nulliparous *P. eremicus* ~~boylii~~ *boylii* 122-67-20.5-16 = 8.5g toe-clipped #05210 20 March 88. Trap mortality RC drift fence W-11 (in)

" " " " (Madrone Canyon), " " "

841 ♂ TD +=12x5mm. Zpod full. ST=11mm long *Peromyscus boylii* 166-92-23-19 = 19g toe clipped # 4410 12 Jan 88 Trap mortality GRID MC, St. 11, 16

April 7 [redacted] Weanling. Skull sutures & joints incompletes.

(redacted) 842 ♀ nullip. *Peromyscus maniculatus* 108-49 — 19-13 = 5.5g mortality on MC drift fence W-5

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

[redacted]

April 12

(redacted) 843 ♀ nulliparous *Sorex trowbridgei* 99-47-15-8 = 4.5g mortality on RC drift fence E-8.5

April 14

844 ♀ nulliparous. Uterus Hurad-like *Peromyscus boylii* 143-71-21.5-18 = 13g Found dead at station 5,17; GRID RC

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

April 15

845 ♂ t=5x3mm (greenish). *Sorex trowbridgei* 109-47-14-9 = 10g. Mortality in pit fall Can, MC drift fence W-10 (in)

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

April 16

846 ♀ nulliparous (no indication of any reproduction, ever). *Sorex trowbridgei* 100-49-14-7 = 5g. Mortality in pit fall can, RC drift fence (E-7)

" " " " (Madrone Canyon), " , " .

April 20

847 ♀ *Sorex ornatus* (?) 87-35-12.5-7 = 4g Mortality in pit fall can, MC drift fence W-10.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

April 22

848 ♂ t=7mm (prep. M. Salvioni) *Sorex trowbridgei* 110-52-15-9 = 5g Trap Mortality on GRID RC drift fence, St W-10

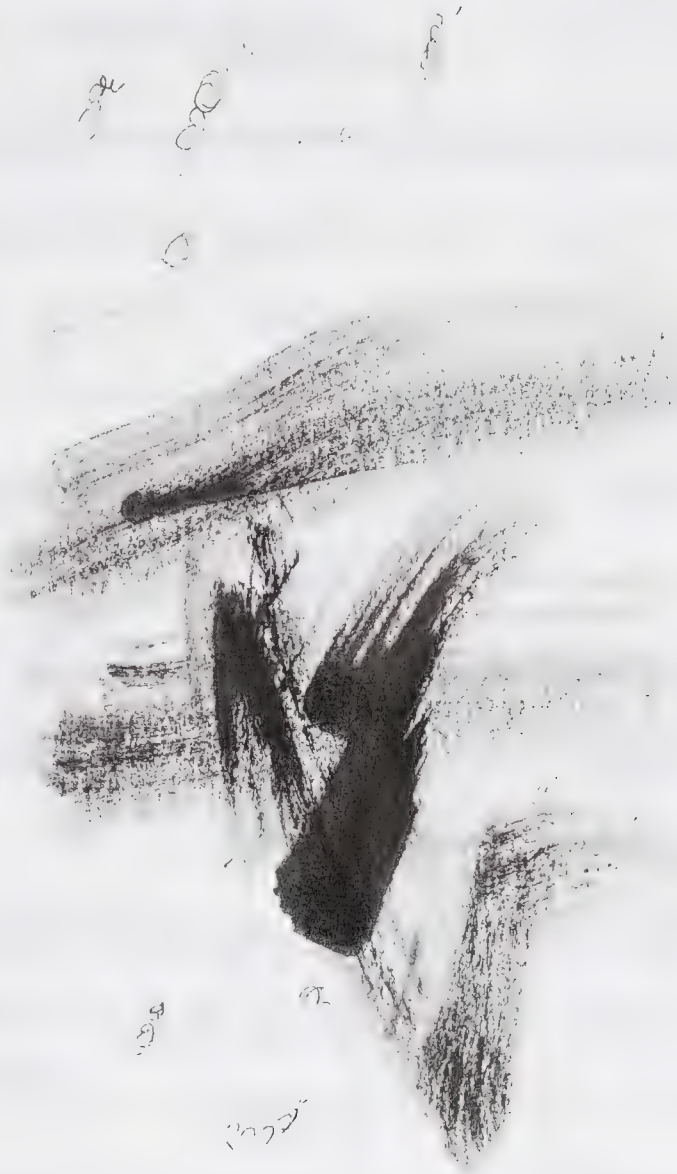
849 ♂ (prep M. Salvioni) *Sorex trowbridgei* 94-38-12-8 = 5.5g " " " " " W-10

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

Skull only 850 ♂ (prep M. Salvioni). *Sorex trowbridgei* 100-35-22-8 = 5g. Mortality on MC drift fence, St E-10

851 ♂ (prep. K. Klein) *Sorex trowbr.dgei* 101-52-14-8 = 5g Mortality on MC drift fence St E-7

852 ♀ parous (uterus swollen). *Sorex ornatus* 81-36-11-5 = 3g Mortality on MC drift fence, St E-5



(Madrone Canyon)
Hastings Natural History Reservation, ~~Monterey Co., C~~, Monterey Co., Calif.

April 23

Jun 88
✓ 853 ♀ Sorex trowbridgi (prep M. Salvioni) 90-34-11-7 = 3g Mortality on MC drift fence, St W-2

" " " " (Robertson Creek), " " ", "

854 ♂ Sorex trowbridgi 102-49-15-7 = 4.5g. Mortality on RC west drift fence.
lactating (based on amount of fat; no embryos)

855 ♀ Sorex trowbridgi 104-48-14-8 = 5g. " " " ".
pregnant, 4 embryos (2l, 2rt), cr = 14mm.

856 ♀ Sorex trowbridgi 106-49-14-8 = 9g. " " " ".

(prep M. Salvioni)
857 ♀ Sorex trowbridgi 105-47-14-8 = 6g. Mortality on RC east drift fence
(prep M. Salvioni)

858 ♀ Sorex ornatus 90-35-11-6.5 = 3g. " " " " "

April 26

nulliparous
✓ 859 ♀ Sorex trowbridgi 99-48-14.5-7 = 4. toe-clipped # 0300 25 April 88
Mortality on RC drift fence (W) - 4 (out)

Hastings Natural History Reservation (West Ravine) Monterey Co., Calif.

April 29

+liver, kidney, muscle 860 ♂ Neotoma fuscipes TWD. t=3mm (prep. M. Salvioni). 208-90-32-20 = 41g Mortality on WR, St 7, 7

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

May 6

nulliparous
861 ♀ Sorex trowbridgi 108-52-14-8 = 5g. Mortality on MC drift fence W-7.5 (out).

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

862 ♀ Sorex ornatus 89-39-12-7 = 3.5g Mortality on RC drift fence, W-10 (in)
testes = (6 x 4mm (agreen-ish)

863 ♂ Sorex trowbridgi 112-53-15-8 = 6g " " " " ", E-8 (in).

May 7

RD ~~left~~ right = 11x6mm, 0.25g. ~~right~~ left = 11x6mm., 0.27g. SV = 14mm. Toe-clipped 02120, 4 Feb 88. Caught in trap
864 ♂ Peromyscus boylii 173-80-22.5-19 = 23.5g with rt rear leg broken and sacrificed.
GRIDRC, St 4, 12.

May 10

60 Full skeleton only
deconposed internally
865 ? Sorex ornatus 91-37-12-5 = 3.5g. Mortality on RC drift fence St. E-1 (in). May have been in trap since 9 May (see Jonah).

May 17

✓ 866 ♀ Sorex trowbridgi 104-52-15-8 = 4g Mortality on RC drift fence, St W-2 (in)

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

May 17

+ liver kidney 867 ♂ Neotoma fuscipes 355-174-39-32 = 178g. TWO. t=13x6mm (white). Ear-tagged # 1189, 18 Feb 88. Mortality on GRID MC, St 10,18.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

May 19

868 ♀ Sorex ornatus 77-3/6-12.5-6 = 3g. Mortality on RC drift fence, St W-8 (out)

Hwy 1 1/6 & Martin Rd, Hastings Natural History Reservation, Monterey Co., Calif.

May 22

869 ♂ Lynx rufus 850 ~~[illegible]~~ = 5.45 kg. t = 21x12mm. (white). -140-160-70mm. Coll: M. Stromberg (found near death on rd. and shot it (had been hit). Prep: M. Salvioni. Stomach contained deer meat (rd.-kill on rd.) and Pituophis melanoleucus.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

May 24

870 ♀ Peromyscus maniculatus 102-43-19-13 = 6.9g. imperforate, nullip. Uterus thin, thread like. Toe-clipped #01310. Mortality on RC drift fence, St W-4.5 (out)

Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif

871 ♂ Sorex trowbridgei 116-49-13-5 = 5.5g. t=6.5mm

~~872 ♀ Peromyscus boylii 180-86-21-19 = 21.5g imp/lactating~~

~~History Natural History Reservation (Madrone Canyon), Monterey Co, Calif~~

May 25 (prep M. Salvioni)

imp/lactating 3 scars rt; 2 lt. Toe-clipped # 01130

872 ♀ Peromyscus boylii 180-86-21-R = 21.5g

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

May 26

873 ♂ Sorex ornatus 86-32-12-7 = 5.5g. t=6x4mm (white). Mortality on RC drift fence, St. E-7 (out).

874 ♀ Sylvilagus bachmani 174-17-59-47.5 = 187g. nulliparous (uterine). Found dead on GRID RC, by Statia 5.16.

Hastings Natural History Reservation (Hastings Cabin), Monterey Co., Calif

May (no specific date)

875 ♀ Peromyscus maniculatus 147-61-20-17 = 18g. Perforate, parous, lactating. 4 scars, 3 rt; 1 lt. (prep. E.K. Steinberg) 17 Aug 87

Highway 1 & 16 (Mark Stromberg's house), Hastings Natural History Reservation, Monterey Co., Calif

May 25

876 ♀ Peromyscus maniculatus 143-67-20-16 = 12.5g. imp, nulliparous

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

June 5

877 ♀ *Peromyscus boylii* 143-86-20-19 = 12.5g. dup, nullip. (prep E.K. Steinberg). toe clipped #03040. Mortality on MC drift fence, St W-5

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

June 4

878 ♀ *Sorex ornatus* 86-37-5-13 = 3.3g. parous. Mortality on RC drift fence, St E-7.

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif.

June 11

879 ♀ *Neotoma fuscipes* 336-150-38-32 = 195g. + tissues (liver, kidney, heart). impforate, parous, 5 uterine scars (5+5). Ear-tagged # 1245 26 April 1988. Mortality on WR, St 14,12. Tail bobbed

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif.

June 15

880 ♂ *Spermophilus beecheyi* 403-163-57-23 = 415g. TND. t = 4mm. Trap Mortality on GRID MC St 5,5

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

June 26

881 ♂ *Peromyscus boylii* 167-89-22-17.5 = 21g. TND t = 5x2.5mm (white, firm). Very fat (subcutaneous). Toe-clipped # 01221 6 May 1988. Mortality on GRID RC, St 9,18

June 28

882 ♂? *Peromyscus californicus* 62-20-10-closed = 3.73g. frozen neonate only. Offspring of ♀ #1142. Mother chewed head in trap. Pup died between 2200 (27 June) and 0600 (28 June)

July 9

883 ♀ *Peromyscus boylii* 193-98-22-20 = 24g. Imp, parous, 6 fresh uterine scars (3L, 3R). (prep E.K. Steinberg). toe-clipped #030. Mortality on RC drift fence, St-W6.5(in)

School House Garage, Hastings Natural History Reservation, Monterey Co., Calif.

July 10

884 ♂ *Neotoma fuscipes* 269-125-39-25 = 95g + tissues to P. Kelly. TND (coll. W. Koenig). Ear-tagged by P. Kelly.

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

July 16

885 ♀ *Peromyscus boylii* 170-92-22.5-18.5 = 17. Imp, nulliparous. toe-clipped 03030, 29 May 88. Mortality on MC drift fence, St W-

July 22 – Received 6" TRD Straight Nut Forge for Standard Inc

Hastings Natural History Reservation (Lab Area), Monterey Co., Calif.

July 17

full skeleton only	886	TWD (t=7mm) ♂	*Spermophilus beecheyi*	455-187-55-27=710g
" "	887	TWD (t=7mm) ♂ "	"	419-160-59-28=617g.
(given to Whitebagan)	888	nulliparous ♀ "	"	337-147-52-24=292g.
full skeleton m. only	889	~~pregnant~~ nulliparous ♀ "	"	382-142-58-27=608g.
"	890	~~Pregnant~~ nulliparous ♀ "	"	405-161-53-29=450g
"	891	nulliparous ♀ "	"	385-151-59-27=530g
"	892	TWD ♂ "	"	400-167-60-26=620g
"	893	TWD (t=8mm) ♂ "	"	443-184-62-27=715g

July 18

full skeleton only	894	TWD (t=7mm) ♂ "	"	420-172-60-28.5=507
skin + skull	895	TWD ♂ "	"	400-155-58-28 =530g

July 19

full skeleton only	896	nulliparous ♀ "	"	382-129-56.5-28=502g
"	897	TWD (t=12mm) ♂ "	"	403-168-60-27=612g

July 20

accidents "	898	TWD (t=6mm) ♂ "	"	411-155-57-27=520g
"	899	TWD (t=7mm) ♂ "	"	410-161-57-28.5=520g.

Left these in front of lab overnight and something (Urocyon?) took off with them.

July 29

"	900	imp. nulliP ♀ "	"	378-142-56-22=510g

Hastings Natural History Reservation, Monterey Co., Calif.

July 30

+ tissues tail, embryo	901	Pregnant, 2 embryos (left); cr=30mm ♀ *Peromyscus californicus*	250-131-27-25=46.5	Captive animal #1295. Captured first 2 June. Put into captivity 8 June ~~1988~~ 1988
"	902	TD t=11x6mm sv=13mm ♂ *Peromyscus californicus*	235-121-27-25.5=34g	Tagged #1332 and put in captivity 10 June 1988 w/ #901
"	903	parous, imp. 2 embryos r+l. cr=15mm. ♀ *Peromyscus californicus*	240-107-27-26 =44g	Tagged #1135 & put in captivity 27 April.

July 31

"	904	TD t=10x7mm, sv=17mm. ♂ *Peromyscus californicus*	252-136-27.5-27=51g	Tagged #1243 on 27 April & put in captivity

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

August 3

(prep EK Steinberg)

Paraus, imp. Ear-tagged # 1343

905 ♀ Peromyscus californicus 225-115-25-24.5 = 36.5g Mortality on RC drift fence E-9(in)

Hastings Natural History Reservation, Monterey Co., Calif.

August 16

(tail prev. clipped)

+ tissues 906 TND (t=5mm) ♂ Peromyscus californicus (178)-(78)-27-27 = 30g #1411 Born in captivity 29 June 88. Offspring of Cat No 901 & 902

+ tissues 907 TND. (t=5mm) ♂ Peromyscus californicus (203)-(99)-28-26 = 34.5g (" " ") #1413 Born in captivity 27 June 88 Offspring of Cat No 903 & 904.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

September 15

908 TO t=9x5mm (white) ♂ Neotoma fuscipes 365-168-46-33 = 220g t=6x4mm Ear-tagged # 1416 14 Sept 88. Mortality on GRID RC, St 7,17.

909 ♂ Didelphis virginiana 344-139-39-36 = 145g. t=12x5mm Trapped on RC drift fence, St E-8(in)

910 ♂ Didelphis virginiana 332-151-39-37 = 155g. Trapped on grid 2C, St 5,15

September 16

911 ? Sorex trowbridgei 102-52-14-8 = 5g. t=6x4mm Mortality on Grid RC, St 7,12.

full skeleton only 912 ♂ Didelphis virginiana 244-152-38-37 = 165g Trapped on RC drift fence E-6.5(in)

September 17

S. soccps { full skeleton only 913 nulliparous ♀ Neotoma fuscipes 308-140-42-33 = 175g. Ear-tagged # 1418 15 Sept 88. Mortality on GRID RC, St 7,17

Hastings Natural History Reservation (Lab Area), Monterey Co., Calif

July August 31

(coll. S. Schettler)

full skeleton only 914 TND ♂ Spermophilus beecheyi 395-169-60-27 = 580g

" 915 nulliparous ♀ Spermophilus beecheyi 381-150-54-24 = 345g (" " " ?)

" " 916 nulliparous ♀ Spermophilus beecheyi 380-142-55-24 = 350g.

August 1

(coll S. Schettler).

" " 917 TND t=7mm ♂ Spermophilus beecheyi 409-176-62-27 = 530g

August 5

(coll. S. Schettler)

" " 918 TND t=8mm ♂ Spermophilus beecheyi 423-160-62-26 = 675g

August 7

(coll S. Schettler)

" " 919 TND ♂ Spermophilus beecheyi 389-163-59-28 = 660g

Hastings Natural History Reservation (Lab Area), Monterey Co., Calif

August 7 (Coll. S. Schettler)

full skeleton only 920 — nulliparous ♀ Spermophilus beecheyi 405-175-57-26 = 510g

" 921 — TWD t = 7mm ♂ Spermophilus beecheyi 445-195-64-27 = 775g (" " ")

" 922 — TWD ♂ Spermophilus beecheyi 412-173-59-28 = 480g (" " ")

" 923 — TWD ♂ Spermophilus beecheyi 442-172-60-29 = 710g

August 11 (coll S. Schettler)

" 924 — TWD ♂ Spermophilus beecheyi 443-170-60-27 = 635

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

October 12

Complete skeleton only 925 — (t = 9 x 7mm) ♂ Didelphis virginiana 382-182-43-31 = 220g. Mortality on RC drift fence, St E-3 (in)

October 13

926 — nulliparous Cns scars visible ♀ Sorex trowbridgi 105-51-14.5-7 = 5g Mortality on GRID RC, St 6,17

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

October 31

tear tissue Skull only 927 — parous ♀ Peromyscus californicus no measurements = 35g (Oct 29). Ear-tagged #1184 on 7 Feb 88. Mortality on MC, St 9, 18.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

November 17

928 — nulliparous ♀ Sorex trowbridgi 97-47-14-7 = 4.5g. Mortality on GRID RC, St 6, 10.

929 — t = 4 x 2mm ♂ Sorex trowbridgi 95-46-13-7 = 4.5g Mortality on RC drift fence, St E-7 (east)

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

December 7

930 — t = 2.5mm ♂ Sorex ornatus 78-38-13-8 = 3.3g Mortality on MC drift fence, St E-1

" " " " (West Fairway), " " "

931 — imp, nullip. ♀ Perognathus californicus 192-109-26-13 = 19.5g Mortality on GRID WR, St 8,5

December 8

932 — ~~imp, parous~~ nulliparous ♀ Perognathus californicus 192-117-24-11 = 18g toe-clipped #0340 Mortality on GRID WR, St 3,4

933 — ~~Pregn~~ imp, nulliparous ♀ Perognathus californicus 189-108-24-11 = 17.5g toe clipped #0310 Mortality on GRID WR, St 2,2

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

Dec 10

imp, nullip. toe-clipped # 02410 17 Nov 88
934 ♀ Microtus californicus 147-44-22.5-17=34.5g Mortality on GRID RC, St 6, 8

Dec 11

TWD (t=3mm) toe-clipped # 0112
935 ♂ Peromyscus boylii 175-92-22-20=17.5g Mortality on RC, drift fence, St W-12(in)
TWD (t=5mm) toe-clipped # 02120
936 ♂ Perognathus californicus 196-112-26-12=19g Mortality on RC drift fence, St E-8.5(in)

Dec 15

imp, 5old scars (3rt, 4 lt). toe-clipped # 01120
937 ♀ Peromyscus boylii 192-103-23-20=23.5g. Mortality on RC drift fence, St W-6 (out)

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

Dec 17

imp, nullip. toe-clipped # 0121 17 Dec 88
938 ♀ Peromyscus boylii 163-84-23-19.5 = 17g Mortality on MC drift fence, St E-1(in)

1989

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

Jan 10

t=5x3mm. Epid. full.
939 ♂ Sorex trowbridgii 97-50.5-14.5-8=5.5g Mortality on GRID RC, St 5, 17.

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

Jan 28

+ tissues (k, l, t) imp, nullip (uteri swollen & fluid filled) Ear-tagged #1466 6 Jan 89. Mother #020.
940 ♀ Peromyscus californicus 188-91-27.5-24=32g Found dead below St 11, 15. Grid MC (see Journal). Tail tip previously collected.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

~~lact~~ TD, t=7x3mm toe-clipped # 1230
941 ♂ Perognathus californicus 188-108-25-13.5=22g Mortality on RC drift fence W-6 (in)

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

Jan 31

+ tissues (l, k, tail cart.) lactating. 2 scars (rt) t.c. #010
942 ♀ Peromyscus californicus "177-79"-28-27=34g. Mortality on GRID WR, St 11, 9. tail tip previously collected.

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

Feb 2

testes = 8x4mm (yellow) Mortality on MC drift fence E-11 (in)
943 ♂ Sorex trowbridgii 100-51-15-8=5.75g.

.045g

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

Feb 20

+liver 944 Imp, nullip. ♀ Peromyscus boylii 190-99-235-20=22.5g. toe-clipped 1002. Mortality on RC drift fence

+liver 945 lactating ♀ Sorex trowbridgei 105-50-14-7 = 4.5g. Mortality on GRID RC, St 7,16

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

Feb 27

946 testes = 5x3mm (greenish). ♂ Sorex trowbridgi 104-49-14.5-7=5.5g Mortality on GRID WR, St 16,15

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

March 1

947 testes = 5.5x3.5mm (greenish). rt testes = ~~.04g~~ .045g, left = 0.04g. ♂ Sorex trowbridgi 101-49-14-7=6g Mortality on GRID RC, St 4,13

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

March 2

948 parous. uteri swollen, 2 scars rt, 1 left ♀ Sorex trowbridgi 98-48-14.5-8=6g. Mortality on GRID WR, St 15,12.

949 parous, lactating. 3 scars (2 left, 1 rt) ♀ Sorex trowbridgi 105-54-15-8=6.5g toe-clipped 28 Feb 89 Mortality on GRID WR, St 7,6

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

March 3

950 uterus swollen, no visible scars. ♀ Sorex ornatus 79-33-12-7 =3.7g Mortality on RC drift fence, STE-7 (east).

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

March 29

left = 12x8m, 0.40g. SV = 17mm.

+liver kidney 951 TD. rt = 11x8mm, 0.395g. Ep full. tail tip cut ♂ Peromyscus californicus 210-102"-27-25 =40.8g Ear-tagged #1121, 9 Dec 1987. Mortality on GRID WR, St 10,6

March 30

rt = 6x4mm, 0.065g. left = " , 0.07g

952 5.2g ♂ Sorex ornatus 79-35-12.5-6 = ~~5.2g~~. Mortality on GRID WR St. 14,12

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

May 22

alcoholic 953 Imp, parous. Probably lactating ♀ Neotoma fuscipes 327-149-37-40=145g. Mortality during dispersal trapping.

alcoholic 954 nullip (?) ♀ Sorex ornatus? 90-33-11-5.5 =4.75g. Mortality during dispersal trapping

May 25

alcoholic 955 nullip? ♀ Sorex ornatus 82-32-10-5 =3.25g Mortality on RC drift fence St E-8.8 (east)

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

June 2

alcoholic 956 ♀? Sorex trowbridgei 112-46-14.5-7 = 4g Trap mortality on GRID WR St 9,7.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

June 3

+kidney liver. 957 nullip. ♀ Spermophilus beecheyi 295-ia-49-21 = 189g. Trapped on RC drift fence, St W-3 (in)

~~958 ? Sorex~~

June 9

(prep. J. VanBeneraat) Trap mortality on ~~Grid~~ West RC drift fence

alcoholic 958 ? Sorex ornatus 72-35-11-6 = 2.5g

June 21

alcoholic +tissues 959 nullip ♀ Peromyscus californicus "217-104"-27-24.5 = 47.5g. Ear tagged #1648 21 June 89. GRID RC, St 4,9.

Hastings Natural History Reservation, Monterey Co., Calif

June 14

skull only +tissues 960 TND ♂ Peromyscus californicus "157-68"-25-19 = 18g Ear-tagged #1649.

" 961 parous ♀ Peromyscus californicus "193-94"-27-22 = 35g Ear-tagged #1493.

" 962 ♂ Peromyscus californicus 31g. Ear-tagged #1476

June 17

TD. left = 0.08g, 5.5x4mm. right = 0.075g, 6x4mm.

" 963 ♂ Peromyscus californicus "194-91"-27-24 = 29g. Ear-tagged #1506

" 964 parous. Pregnant - 3 lt. embryos. crown-rump = 14, 13, 13mm. ♀ Peromyscus californicus "169-78"-27-25 = 36 Ear tagged #1490

" 965 nullip. ♀ Peromyscus californicus 144-71.5-23-17 = 9.5g. Offspring of lab ♀ 1490. Born 24 May 1989.

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

June 24

Alcoholic +tissues 966 testes not swollen ♂ Sorex trowbridgei 95-47-14-7 = 4g. Mortality on GRID RC, St 6,18

" 967 TD, testes = 7x4mm. ♂ Peromyscus boylii "162-78"-23-19.5 = 24g Toe-clipped #0101 Mortality on RC drift fence, St E-4.5

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

June 28

+tissues 968 testes not swollen ♂ Sorex trowbridgei 99-50-14-7 = 4.5g Mortality on MC drift fence, St E-7.

969 TND. t=5x3mm ♂ Neotoma fuscipes 280-137-35-27 = 110g Mortality on Grid MC St 11,17 Ear-tagged 28 June 1989.

Hastings Natural History Reservation, Monterey Co., Calif

June 28

skull + tissues	970	TWD ♂	Peromyscus californicus "208-99" – 25-23 = 48g	Lab animal, Ear-tagged #1566.
~~skull + tissues~~	~~971~~	~~Sorex~~	~~trowbridgii~~	

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif.

July 2

alcoholic + tissues	971	null ♀	Sorex trowbridgii (prep J. van Berven) 115-45-13-5 = 4g	Trap mortality, RC drift fence St. W-8

Hastings Natural History Reservation, Monterey Co., Calif

July 6

Skull + tissues	972	nulliparous ♀	Peromyscus californicus "195-90" – 26-24 = 38g	Lab animal, Ear-tagged 1622
skull + tissues	973	TWD ♂	Peromyscus californicus "188-82" – 27-23 = 35g	Lab animal, Ear-tagged 1621

Hastings Natural History Reservation (West Ravine), Monterey Co., Calif

July 28

alcoholic	974	TWD ♂	Peromyscus californicus 189-109 – 26-12.5 = 20.5g.	Toe-clipped #01210 Mortality on GRIDWR, St 7,7

Hastings Natural History Reservation, Monterey Co., Calif

July 28

full skeleton + tissues (emb)	975	parous, pregnant 2 embryos 1 l, 1 rt, cr = 11mm ♀	Peromyscus californicus "212-92" – 27.5 - 26 = 51g.	Lab animal, Ear-tagged # 1492
skull + tissues	976	TD. left = 11x6mm, 0.26g; right = 10x6mm 0.25g. ♂	" "196-84" – 28 – 26 = 43.5g	Lab animal, Ear-tagged #1512
"	977	Pregnant. 2 embryos (black spots) 1 left, 1 rt. ♀	" "202-91" – 26 – 26 = 40g.	Lab anmal, Ear-tagged #1565
"	978	nullip ♀	" "171-64" – 27 – 25.5 = 42g.	Lab, #1477
"	979	TD left = 10x6mm, 0.21g right = 10x6mm 0.195g. ♂	" "190-92" – 27 – 25.5 = 41.5g.	Lab, #1563
"	980	nullip. ♀	" "182-80" – 27 – 25 = 35.5g.	Lab, #1491
"	981	TD left = 9x5mm, 0.16g right = 8.5x5mm, 0.155g. ♂	" "182-81" – 27-25 = 38.5g.	Lab, #1620
" (emb)	982	Pregnant. 2 embryos (cr = 12mm), 1 left, 1 rt. ♀	" "201-91" – 27-25.5 = 42.5g.	Lab, #1624
full skeleton + tissues	983	nullip ♀	" "187-79" – 28 – 25.5 = 54g.	Lab, #1511.

July 29

skull + tissues	984	TWD ♂	" "189-89" – 26.5 – 25 = 33.5g.	Lab #1671
"	985	TD. left = 9x6mm, 0.22g, right = 10x6.5mm 0.225g. ♂	" "195-86" – 27-25.5 = 35g	Lab #1410

Hastings Natural History Reservation, Monterey Co., Calif

July 30

Skull + tissues (+embryos)	986	Pregnant. 3 right embryos. C.R = 6 mm ♀ *Peromyscus californicus*	"228-105" - 27-27 = 57g	Lab mouse # 1441
"	987	pregnant. 2 embryos (1 left, 1 rt) C.R = 7 mm ♀ "	"246-98" - 26-26 = 41g	Lab mouse # 1461
"	988	TD left = 10x6 mm, 0.24g right = 9x6 mm, 0.23g. ♂ "	"199-82" - 27-26 = 47.5g	Lab # 1412
"	989	TWD ♂ "	"175-73" - 26.5-25 = 30.5g	Lab # 1676
"	990	nullip ♀ "	139-62 - 23-15 = 14g	Lab offspring of ♀♀ 1461 (987)
"	991	nullip ♀ "	143-65 - 23.5-16.5 = 14.25g	Lab offspring of ♀♀ 1461 (987)
"	992	TD left = 8x5 mm 0.15g, right = 8x5 mm, 0.14g. ♂ "	"195-94" - 27-26 = 36.5	Lab # 1564
"	993	~~TD~~ TWD ♂ "	"190-81" - 27-25 = 38.5	Lab # 1673
"	994	nullip ♀ "	138-71 - 22-17.5 = 14.1g.	Lab offspring of ♀♀ 1441 (986)
"	995	TWD ♂ "	136-69 - 22-16.5 = 14.2g	Lab offspring of ♀♀ 1441/986)
"	996	TWD ♂ "	149-71 - 23-17 = 15.2g	Lab offspring of ♀♀ 1441 (986)

Hastings Natural History Reservation (West Ravine), Monterey Co. Calif

July 30

	997	nullip ♀ *Eutamias merriami*	246-110-36-18 = 62g.	Mortality on GRIDLOC St 11,8

Hastings Natural History Reservation, Monterey Co., Calif

September 9

skull + tissues	998	lactating ♀ *Peromyscus californicus*	"210-93" - 27-25 = 48.5g	Lab mouse # 1562 ♀2
	999	TWD ♂ "	174-85.5 - 25-21.5 = 20g.	Lab offspring of ♀♀ 1562 (998)
	1000	TWD ♂ "	172-81 - 25-20.5 = 18.5g.	Lab offspring of ♀♀ 1562 (998)
	1002	nullip ♀ "	178-90 - 24.5-21.5 = 19g	Lab offspring of ♀♀ 1562 (998)

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

October 6

	1002	TWD t=4mm ♂ *Perognathus californicus*	187-98 - 26-12.5 = 23g	Toe-clipped # 03410 Mortality on RC, St 3,9.
+ tissues	1003	TWD ♂ *Sorex trowbridgii*	101-52-15-7 = 5.5g	Mortality RC, St 8, 18
+ tissues	1004	TWD ♂ " "	105-54-15-8 = 5g.	" RC, St 4, 13

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

October 7

alcoholic	1005	TD ♂ Peromyscus boylii "160-78" - 22-19 = 21.5g	toe-clipped #02432	Mortality on RC, St 3,8
alcoholic + tissues	1006	♀ Sorex trowbridgei 102-535-15-7 = 4.5g		Mortality on RC, St 8,18
		" "	(West Ravine),	Monterey Co., Calif
alcoholic	1007	imp, null ♀ Eutamias merriami 258-107-36-21 = 79g		Mortality on WR, St 3,3
		" "	(West Ravine (Robertson Creek)),	" "

October 8

alcoholic + tissues	1008	♀? Sorex trowbridgei 109-51-14-7 = 5g		Mortality on WR, St 15,14. Toe-clipped #010 7 Oct.

Twenty-nine Palms, San Bernardino Co., Calif

complete skeleton	1009	TND ♂ Dipodomys deserti "293-150"-56-15 = 147g.		Coll. J. Pedersen 21 July 1985 Euthenized 5 August 1986
"	1010	Parous, no scars ♀ " " 336-196-53-15 = 108g.		" "
"	1011	Parous, no scars ♀ " " "260-120"-52-16 = 105g		" "

Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif

November 4

+ partial skeleton, tissues	1012	imp, parous (no scars) ♀ Peromyscus californicus 249-123-27-25.5 = 43g (Prep M. Gahr)		Upper Bridge 1, St 2, 6
"	1013	Parous, 2 right scars ♀ " " 245-130-28-27 = 39g. (Prep J. Von Behren)		" " 1, St 12, 16
"	1014	Parous, 2 scars (1 rt, 1 lt) ♀ " " 289-120-24-23 = 47g. (Prep F.x. Villablanca)	Ear-tagged 1712, 12 July 89	" " 1, St 7, 16
+ liver	1015	TD. t = 9x6mm (0.188g, 0.165g) ♂ " " "209-100"-24-21 = 43g.	Ear-tagged 1725, 13 July 89	Upper Bridge 2, St 2, 18
+ liver	1016	TND - l = 6x4, 0.06g; rt = 6x4, 0.05g ♂ " " "202-106"-28-24.5 = 36.5g.	Ear-tagged 1694, 12 July 89	Upper Bridge 2, St 3, 9
+ liver	1017	TD - l = 10x7mm (0.185g; rt = 6x4mm, 0.05g (Prep F.x. Villablanca) ♂ " " "225-104"-28-23 = 40g.	Ear-tagged 1696, 12 July 89	Upper Bridge 2, St 3, 18
+ liver	1018	TNP, t = 5x3mm (l = 0.035g, rt = 0.03g) ♂ " " "203-110"-28.5-25 = 35.5g.	Ear-tagged 1692, 12 July 89	Upper Bridge 2, St 4, 11
+ liver, partial skeleton	1019	Parous (2 scars; lt, 1 rt) ♀ " " "219-99"-25-26 = 45g. (Prep J. Von Behren) (Prep M. Gahr)	Ear-tagged 1727, 13 July 89	Upper Bridge 1, St 3, 1
+ liver	1020	t = 3mm ♂ Sorex trowbridgei 104-47-14-8 = 5g. (Prep F.x. Villablanca)		Upper Bridge 3 1
+ liver	1021	♀ " " 120-52-12-4 =		Upper Bridge 3 1
+ liver	1022A	Juvenile ♀ " " 103-50-14-7 = 4.5g.		Upper Bridge 3 1

November 5

+ liver partial skel.	1022B	parous (2 scars, lt & 1 rt) ♀ Peromyscus californicus 230-122-26-24 = 39.5g (prep M. Gahr)		Upper Bridge 1, St 2-1
+ liver	1023	TND (t = 3mm) ♂ Sorex trowbridgei 104-52-14-6 = 5g		Upper Bridge

Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif

November 5
(prep F.K. Villablanca)

		t=3x2mm		
+ liver	1024	♂ Sorex trowbridgei	108-52-14-5 = 4.5g.	Upper Bridge Grads

Hastings Natural History Reservation (Madrone Canyon), Monterey Co., Calif

(prep. J VonBeltran)

		TND. t=4x2; 4x2mm		
	1025	♂ Peromyscus californicus	193-90-20-12 = 17.5g	Mortality in MC, St 6,5

Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif

November 6

		imp, nullip (no visible scars)		
+ liver, Partial skel	1026	♀ Peromyscus californicus	233-122-29-26 = 34g.	Upper Bridge 1, St 7,15
		TND t=3.5mm		
	1027	♂ Peromyscus californicus	197-114-27-12 = 22g	" " , St 3,2

Hastings Natural History Reservation, Monterey Co., Calif

November 17

alcholic + liver	1028	nullip. ♀ Peromyscus californicus	188-88-25-21.5 = 21.5g.	Lab mouse, Offspring of ♀♀1672
		TND		
"	1029	♂ " "	179-85-25-20.5 = 21.5g	Lab mouse, offspring of ♀♀ 1672
"	1030	TND ♂ " "	188-91-26-23 = 21.5	Lab mouse, offspring of ♀♀ 1623
"	1031	nullip ♀ " "	187-86-26-21.5 = 21.5g.	Lab mouse, offspring of ♀♀ 1623
skull only + tissues	1032	♀ " "	" 214-92" - 27.5-25 = 47.5g	Lab mouse #1672
"	1033	♀ " "	" 207-88" - 27.5-25.5 = 41g.	Lab mouse #1623
		TD: SV=.5946g. testes=0.535/g. EP=0.1050g.		
"	1034	♂ " "	" 210-97" - 27-25 = 38.5g	Lab mouse #040
		TD SV=0.185g, testes=0.38g, EP=0.085g		
"	1035	♂ " "	" 219-105" - 27.5-24 = 36.5g	Lab mouse #1030
		TD SV=0.165g, testes=0.37g, EP=0.075g		
"	1036	♂ " "	"138-30" - 27-"20" = 38g	Lab mouse #1674
"		Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif		

2 December

tissues, + partial skeleton	1037	imp, parous. No scars. (prep M. Gahr) ♀ Peromyscus californicus	217-117-24-25 = 34.5g " ~~218-113-27.5-24 = 35.5g~~	~~Lab mouse #1681~~ Upper Bridge 1
		TD. SV=.09g, testes=0.225g (8x5mm), EP=.05g (full		
+ tissues	1038	♂ " "	" 218-113"-27.5-24 = 35.5g.	Upper Bridge 2
"	1039	TD. SV=.21g, testes=0.27g (8x5mm), EP=.06g ♂ " "	122-114-27-25 = 34g.	" "

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

		t=brown		
+ tissues	1040	♂ Sorex trowbridgii	116-53-14-8 = 5g.	

Hastings Natural History Reservation (Finch Creek), Monterey Co., Calif

December 2

(prep. ME Holden)

+ tissues partial sk.	1041	null, imp ♀ *Peromyscus californicus*	225-123-28-24 = 29.5g.	Upper Bridge 1

December 3

		TD: SV = 0.44g (13mm), testes = 0.41g (11x5mm), EP = 0.09g (full)		tagged #1722
+ tissues	1042	♂ " "	"210-102" - 27.5-25 = 35.5	Upper Bridge 2
+ tissues (liver? fetuses) partial skeleton	1043	2 fetuses left, cr = 7mm, imp (prep C.A. Lukey) ♀ " "	245-128-25-25 = 42.5g	Upper Bridge 1

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

(prep M. Gaho).

skull + tissues only	1044	♀ *Sorex trowbridgii*	108-46-15-6 = 4.5g.	GRID 12C

Hastings ~~Reservation~~ Natural History Reservation (Finch Creek), Monterey Co., Calif

December 4

		~~imp~~ perf, null imp		tagged # 1699
+ tissues partial skeleton	1045	♀ *Peromyscus californicus*	"211-101" - 27-24.5 = 37g	Upper Bridge 1
+ tissues	1046	♀ *Sorex trowbridgii* TD. t = 6x4mm	102-53-14.5-7 = 4.5g.	
+ tissues	1047	♂ " "	114-50-16-7.5 = 5.5g.	

Hastings Natural History Reservation, Monterey Co., Calif

December 15

skull only + tissues	1048	♀ *Peromyscus californicus*	"218-93" - 28-25.5 = 50g	Lab mouse #1675
Complete skeleton + tissues	1049	♀ " "	174-78-25.5-21 = 19.5g	Pup of lab ♀♀ 1675 Born 20 NOV 1988.
"	1050	~~♂~~ ♀ " "	167-77-25-20.5 = 18.5g	Pup of lab ♀♀ 1675 " "

Hastings Natural History Reservation (Robertson Creek), Monterey Co., Calif

February 17

non-reproductive
1051 ♀ Sorex trowbridgii 109-48-14-7 = 5g. Mortality on 5 RC, St 6, 18.

March 17

uterus swollen
1052 ♀ Sorex trowbridgii 104-51-15-7 = 6g Mortality on RC, St 6, 15

lactating
1053 ♀ " " 112-53-15.5 #7g = 7g Mortality on RC east drift fence

March 19

TD, t = 5x3mm
1054 ♂ Sorex trowbridgii 95-49-13-7 = 5.5. Toe-clipped 17 Mar 1990 Mortality on RC, St 7, 16

April 13

1055 ♀ Sorex trowbridgii 96-50-14-7 = 5g. Mortality on RC, St 6, 19

Hastings Natural History Reservation (behind Robertson House), Monterey Co., Calif

April 16

Full skeletonized TD SV = 0.65g, 14mm. t = 0.49g (10x6mm) (both - epid = 0.115g.
1056 ♂ Peromyscus californicus 248-124-25-24.5 = 41.5g
" " TD SV = 1.3g, 16mm. testes = 0.37g (10x6mm) epid = 0.12g.
1057 ♂ Peromyscus californicus 243-123-25-25 = 38.5g
" " TD SV = 1.45g, 18mm. testes = 0.59g (12x7mm) epid = 0.19g.
1058 ♂ Peromyscus californicus 249-130-26-25 = 41g.
TD SV = 0.97g, 17mm, testes = 0.48g (10x7mm), epid = 0.19g
1059 ♂ Peromyscus californicus 239-122-25-24 = 37g.

Journal
1986

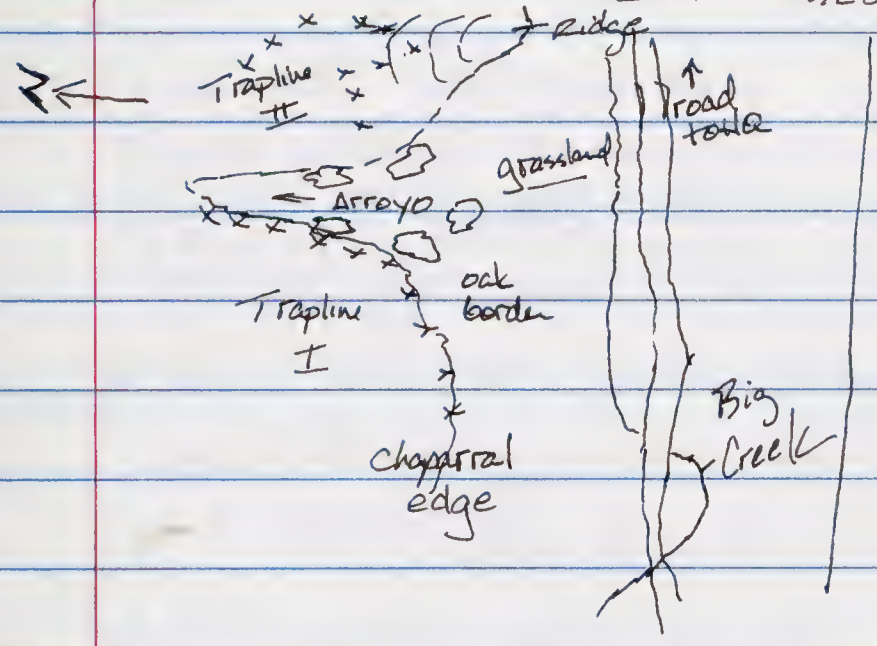
LIBBLE, D.D. 1986

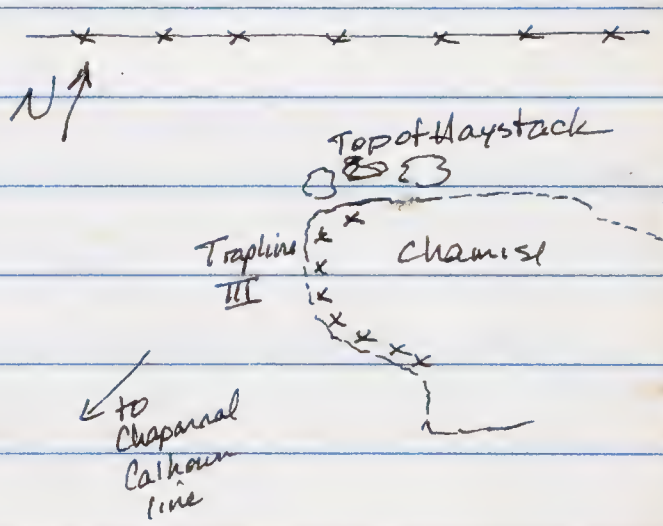
Hastings Natural History Reservation, Monterey Co., CA.

June 3 I arrived at Hastings around 2:00 P.M today to trap P. truei & californicus. Plan on staying until June 8. Very pleasant temp. today, low-mid 80's. By 5:30 I set 2 trap lines, each with 10 stations, 2 traps per station.

Trapline I - ~~bottom~~ lower edge of chaparral patch on Haystack Hill. 10-15 m between stations. One trap placed under chamise; 2nd trap placed ~1 m from edge in open grass, etc. Bait - rolled oats & bird seed mix. Border between ~~grass~~ Savanah & Chaparral, with Riparian at bottom, SE facing.

Trapline II - start at lower edge of same chaparral as Trapline I, proceeds up through chaparral in random fashion. All traps under chamise. Traps at each station w/in ≤ 1m - Bait - rolled oats & bird seed mix





Trapline III - started at crest of Haystack Hill, proceeded south down hill along edge of Chaparral/grassland. Placed one trap under chamise at edge and other trap 1-3 m into chamise. Bait - as in I, II. Finished this trapline by 7:00 PM. Ecotone very sharp between grass & chamise - Some bordering oaks.

from J. Griffin
Max temp 72
Min temp 43

June 4 Morning temp. ~50 at 0540 hrs.

0615 Station

Trapline III #6, edge. #1910 P. truei, ♀, late subadult (mostly brown), 177-94-23-24 ≅ 19g, nonbreeding (vagina closed)

#7 edge #1912 P. maniculatus, ♀, subadult (½ brown ½ gray) nonbreeding 139-65-14-16 ≅ 15g. distinct tail stripe, left via hole in grass/ground .75 m from trap

0640 #8 interior #1913 P. truei, ♀, mature, nonbreed (vulva closed) 179-94-24-25 ≅ 23g, escaped up into chamise

Hastings Natural History Reservation, Monterey Co., CA.

June 4 (cont) Trapline II - #2 (station), #1914, P. truei, ♀, early subadult (3/4 gray), nonbreeding, 176-95-24-24 ≈ 18g escaped up slope on ground

#5, #1915, P. truei, ♀, mature, pregnant, non-lactating 198-~~##~~108-24-25 ≈ 28g, escaped via ground

#7, #1916, P. truei, ♂, mature, testes medium size, not descended 180-96-25-25 ≈ 22g, notch in left ear escaped under chamise.

0750 #7, escaped, N. fuscipes, ♀(?) large animal, escaped while handling - need smaller gloves!!

Trapline I - nothing captured.

Finished checking all traps by 0800. Sunlight hit top of Haystack at 0630 hr. All animals were in good condition, except N. fuscipes which was sweating. The temp. was in the low 50's early, but quickly increased as the morning passed. Last night was cloudy to clear, with no moon.

I spent the rest of the morning with Patrick Kelley. We found the Calhoun line in the Chaparral at the top of Haystack Hill - I'll trap there tonight

~~2~~ 1440 - finished setting trapline IV.

Trapline II - Madrone Canyon, starts ~1/4 mi past laboratory - 10 stations, 2 traps per, both w/in 1 meter. Bait - rolled oats & birdseed. 10-20m between traps. Complex riparian habitat. Redwood present along most of stream. Soil litter very deep where grass isn't growing

Trapline IV - Chaparral Calhoun line, starts ~~at~~ west of Haystack Hill point, and runs SSW through Chamise. Numbered posts are about 15m I apart. Set all traps to the west of the post, 2 traps per station, traps within 1m of each.

Found bobcat scat in Chamise, and several shelled acorns.

Reset traps on traplines I, II, & III the rest of the afternoon

Came across a large Pituophis in Long Field - not very friendly!

Max temp: 76°, Min temp 46°

Ribble, D.O. 1986

Hastings Natural History Reservation, Monterey Co. CA.

June 5

Morning weather: Overcast, low clouds (200ft above Haystack), ground very damp

Night weather. Partly cloudy to cloudy, rained overnight

Animals trapped:

Trapline	Sta.#	I.D.#	SPP.	Sex, Age, breeding, misc.
III	4 (edge)	0100 ~~1000~~ (toeclip)	P. californicus erog.	♀, M, early pregnancy
		♂M, ♂M		escaped into Chamise
III	6 (edge)	1910	P. truei	♀, subadult - RECAPTURE
				escaped under Chamise to SE of trap.
III	2	1918	P. truei	early pregnancy, ♀, mature, vulva slightly open (non breeding)
				172-82-22-23 ± 18g
				escaped on ground under Chamise
IV	3	1919	D. ~~terrestris~~ venustus	♂, mature, scrotal testes
				escaped to SE under Chamise, travelled fast & far
IV	9	1920	P. truei	♂, new adult (grey on head), non breeding
				182-94-24-24 ± 19g, scar on tail 12mm from tip, escaped on ground to NW.
~~Pasiphae~~ Peromyscus IV	10	1921	P. maniculatus	♂, early adult (gray brown), scrotal testes
				142-67-25-15, escaped on ground to NE.
I	1 (interior)	escaped	N. fuscipes	?, subadult size (mostly gray), escaped while handling, escaped to adjacent (SW) live oak & went up into tree.
I	7	1922	P. boylii	♀, mature, vulva intermediate
(see notes next page)				178-89-22-19, lost posterior 55mm of tail
I	7	1924	P. boylii	♂, mature (Golden Brown), scrotal testes
				166-87-22-19, skin of ears very thick, broad tail stripe

Hastings Reservation, Monterey Co., CA.

June 5 (con't) Both 1922 & 1924 were caught in the same trap. 1924 (♂) apparently entered first because 1922 (♀) lost part of her tail covering in the trap door. Since 1924 had scrotal testes, the possibility of breeding is possible. 1922 vulva was intermediately swollen, but not decidedly so. 1924 was a golden brown & 1922 was grayish brown (probably early adult) with obvious teats, but not swollen. Both animals were very aggressive & didn't relax at all during handling. Both animals escaped down the hill under chamise & downed oaks (grassland & live oaks ~~at~~ at bottom), ~40 ft to bottom

Trapline	St #	ID #	Spp.	Sex, Age, breeding, misc
I	9 (edge)	1925	N. fuscipes	♀, subadult (mostly gray, slight brown on sides) nonbreeding, 2 warbles (1 on throat, 1 mid abdomen) escaped down under chamise, captured under chamise, "Holly" like shrub. Followed it to spot under chamise, seems cold but will probably not
I	10 (intern)	0110 (toe clip)	P. californicus (erog.)	♂, mature (?- seems small), nonbreeding 176-105-25-9, escaped into small hole in side of hill, 2' m from trap, and plugged hole with dirt
II	2	1927	N. fuscipes	♂, mature (?), nonbreeding, total length ♂ ~330mm, color grayish brown, no molt lines escaped to south under chamise
	2	1915	P. truei	♀, mature, breeding, Vulva open, teats very swollen & red (but couldn't get to lactate), not pregnant, so possibly she gave birth. Escaped to NE, towards previous capture site. RECAPTURE
	8	1928,	P. truei	♂, mature, testes swollen, but not breeding 180-90-23-24 ≈ 22g, escaped on ground to NE.
IV	✓	1.	1929. Peromyscus californicus	♀, juvenile, nonbreeding 158-85-25-21 ≈ 16-17g, all gray, bottom of hind feet grayish, tail stripe wide (2/3 circum), and indistinct, ventral side of tail light gray, escaped into litter & logs under riparian bushes & vines.

Hastings Natural History Reservation, Monterey Co., CA

June 5 (con't)

Trapline	St#	ID#	Spp. Sex, Age, Breeding, Mis
II	2	1930	Peromyscus californicus ♀, juvenile, non-breeding 183-88-25-19, same species as 1929 with more tawny color in coat. caught under oak w/ shrubs under. Escaped to same area as 1929
	2	1931	P. ~~boylii~~ californicus ♀, mature, late pregnancy 212-107-26-23=30g, tawny, wide tail stupe as in 1929 & 1930, reddish color under chin. Escaped to same area as 1929 & 1930. White tail tip.
	3	1933	P. californicus ♂, sub (gray w/ some tawny) 199-109-26-24 = 20g, same as above species Escaped under log.
	3	1932	P. ~~boylii~~ californicus ♀, mature, pregnant 217-120-25-24, very slow recovery & escape, Escaped to stream bank.
	4	1934	P. ~~boylii~~ californicus ♀, mature, pregnant, 221-122-27-24 White tail tip. Escaped to east, stopped for ~2 sec to look behind me, then went under log.
	6	1935	P. californicus ♂, mature, non-breeding 224-123-26-24. Tawny, with some golden brown. Escaped to stream bank.
	7 ~~8~~	1936	P. californicus ♂, mature, non-breeding ~~8 1936~~ 210-~~19~~115-26-24. White tail tip. same tail stupe as every one above. Escaped to stream bank.
	9	1937	P. californicus ♂, subadult, non-breeding 199-106-25-24. Gray with brown on sides. No distinct molt line. Escaped under log.
	9.	1938	P. californicus ♀, subadult non-breeding. 201-107-25-25 White tail tip. Gray with some brown on sides. White spot 15 mm up tail on ventral side. Escaped to S.W under log. Caught in same trap as 1939 below.

Hastings Reservation, Monterey Co., CA.

June 5 (cont)

Trapline	station	ID #	spp.	sex, age, breeding
V	9	1939	P. californicus	♀, adult, nonbreeding (vulva "crusty")

234-128-26-25 ≈ 30g, Brown color. Tail grayish white ventrally. Escaped up into willow, then went back down to a woodrat nest.

	10	1940	P. boylii	♀, adult, nonbreeding (vulva closed)

186-100-22-20 ≈ 18g. Animal mostly brown with some grayish tint. Tail stripe, distinct. Escaped into downed hollow log ; white visible on side

	10	1941.	P. californicus	♀, immature (all grey), nonbreeding

180-97-25-22 ≈ 14g. Animal all gray, faint white tail tip. Tawny on head, tail stripe as in above animals (except 1940), hair on tail very short. Escaped to more southerly log.

Finally finished checking traps 1130 hrs. Returned to lab to check species identifications. The sun burned the clouds off around 0930 hrs, and the temp. ~~is~~ rose to the low 80's today.

Spent most of the afternoon resetting traps. Caught a Bewick's Wren in trap at station 9, Trapline IV. Released it unharmed. Finished resetting Trapline V @ 1745. Travelled up Madrone Canyon to scope things out for trapping.

Max temp: 76; Min temp 49, 0.02 inches rain

June 6

Morning weather: Overcast, clouds low, ground not ~~damp~~ wet, low 50's

Night: partly cloudy to overcast, no rain, no moon

Animals trapped: (all ear tagged & released

Trapline	St. #	ID #	Spp.	Sex, age, breeding, misc
III	3 (interior)	1942	P. truei	♂, early adult (mdtline behind ears), nonbreeding

195-100-24-25. Escaped up into chamise

	7 (edge)	1943.	P. maniculatus,	♂, mature, scrotal testes

135-65-18-16 ≈ 15g, distinct narrow tailstripe, escaped down into grass near trap.

	8 (interior)	1913	P. truei,	♀, mature, nulliparous (RECAPTURE)

Escaped up into chamise

Hastings Reservation, Monterey Co, CA.

	Trapline	Station	ID#	Spp. Sex, Age, Brdg, misc
June 16 (cont)	III	9 (edge)	1944	P. truei, ♂, mature, nonbreeding (testes a bit swollen) 177-85-24-25. Escaped up into Chamise. Trap was rolled over.
	"	9 (interior)	1945	N. fuscipes, ♀, mature, nipples swollen, but didn't appear lactating. She escaped before I could get any more information.
	IV	2	1918	P. truei, ♀, mature, early pregnancy (RECAPTURE)
		5	1946	P. truei, ♂, mature, nonbreeding 184-101-23-23. Escaped on ground under Chamise
		8	1921	P. maniculatus, ♂, late subadult, scrotal testes, Positive ID. (RECAPTURE)
		8	1919	D. venustus, ♂, mature, scrotal testes (RECAPTURE)
		10	1947	P. boylii, ♂, mature, nonbreeding 182-93-22-21, distinct tail stripe but very wide (½ circumference) Escaped down to oak trees.
	I	1 (interior)	1948.	N. fuscipes, ♀, subadult, nulliparous. Mostly gray with some brown. No warbles. Escaped up into adjacent live oak. Total length ≈ 300mm.
		3 (interior)	1949	N. fuscipes, ♀ subadult, nulliparous, Mostly gray with some brown. Total length ≈ 290 mm. Lost posterior 4 mm of tail covering. Escaped to SW under Chamise.
		8 (edge)	0120	Perog. californicus ♀, adult, ~~nonbreeding~~ pregnant, teats red 131-49-25-11. Apparently lost part of tail, yet the tail hairs grew 5-6 mm past broken end. Escaped under Chamise
		9 (interior)	1925.	N. fuscipes Recapture
		9 (edge)	1950.	N. fuscipes, ♀, mature, vulva open & pumpish, teats long but not lactating, warble on chest. Escaped down hill!
	II	3	1916	P. truei Recapture
	I	8	1951	N. fuscipes, ♀, mature, lactating vigorously. Large animal, very aggressive when handled. Escaped down hill towards live oak

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June 16 (con't) Trapline St. ID# Spp. Sex, Age, Breding

V 1. 1952. P. californicus, ♂, mature, nonbreeding
234-126-26-24. Left ear has two notches, and ones mall notch. Tail tip dark. Escaped to stream bank.

1. 1931. P. californicus, ♀, mature, pregnant, White tail tip RECAPTURE
Escaped to hole in base of deciduous tree (willow spp.?), SE of station

2. 1953 P. californicus, ♂, early mature (head gray), nonbreeding
223-121-26-24. Tail dark. Escaped to stream bank, NW of station.

3. 1953 P. californicus, ♂, probably juvenile (all gray) RECAPTURE
Escaped under log, 2.5m from station to NE.

3 1954 N. fuscipes, ♀, subadult, vulva slightly open, Mostly brown color w/ some grey. Smaller animal, < 300mm total length. Escaped down to stream bank to what looks like beginnings of nest.

4 1955 P. boylii, ♂, mature, nonbreeding all brown, tail stripe ½ circum
178-89-22-19 ≈ 18g. ~~no~~ hole in middle of left pinnae. Species has habit of rolling its tail in circular motion ♂♀. Escaped to hole in ground by trap.

5 1956 P. boylii, ♀, mature, vulva intermediate. Tail broken, hole in right pinnae
145*- I let this animal go because it seemed to be dying. It was O.K, and escaped to the stream bank

7 1957 P. californicus, ♂, mature, nonbreeding. Big animal. Dark tail tip
229-128-28-26. Escaped to stream bank

7 1936 P. californicus, ♂ Recapture, White tail tip. Escaped to stream bank

RECAPTURE

8 1939 P. californicus, ♀, mature, vulva open w/ crust, doesn't look parous
Dark tail tip. Escaped away from stream in grassland, stopped 5m away in grass and stood still with nose down in grass. I showed her around with my pen, and she finally retreated under poison oak.

8 1958. P. boylii, ♂, early mature, nonbreeding
175-94-22-20. Brown w/ some gray. Escaped to stream bank.

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June 6 (con't)

Trapline	St.	ID#	Spp.	Sex, age, breding	
V	10	#1940	P. boylii	♀, mature nonbreeding.	RECAPTURE. Escaped into Hollow log
II	10	1959	P. californicus	♂, mature, nonbreeding.	Dark tail tip 208-113-27-25. Escaped to log

Finished checking traps at 1115 hr. Returned to pick up traps on Traplines I & II. The sun came out around 0930, and the temperature is about the same as yesterday (low 80's). After working on field notes, I reset the traps up on Haystack Hill. Caught a juvenile Brown Towee (?) in trap on Trapline III, #5. Reset traps on Trapline V, but changed by first adding an extra trap to each station (3 traps/station) and added 5 trap stations to each end with 3 traps/station. The line is now numbered from -4 to 15.

Max temp: 70; Min temp: 49

June 7

Overnight weather: clear to partly cloudy, no moon, low 50's.

Morning weather: clear when I first woke. By 6:30 the clouds rolled in, resulting in overcast skies.

Animals trapped (all marked & released)

Trapline	St.	ID#	Spp.	Sex, age, Brdng	Misc
IV	3	1960	D. truei	♀, mature, vulva open,	teats swollen but not lactating 185-103-24-25 Escaped on ground.
	7	1919	D. venustus	RECAPTURE	– escaped on ground towards #8
	8	1921	P. maniculatus	♂, late subadult,	scrotal testes – RECAPTURE
	8	1946	P. truei	♂,	RECAPTURE mature, testes swollen (but not scrotal)
	10	1947	P. ~~maniculatus~~ boylii	♂,	mature, testes swollen (not scrotal)

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	Trapline St.	ID #	Spp.	Sex, Age, Brdg, mis.
June 7 (con't)	III	10 (edge)	#130	Perog. californicus, ♀, mature, teats very swollen, but not lactating. Toe-clipped. Bloody right fore limb. Escaped on ground to North.
		9 (edge)	#1961	N. fuscipes, ♀, late subadult (mostly ~~grey~~ brown, w/ some grey), vulva intermediately open. Total length ≐ 290 mm. Escaped under Chamise. No warbles.
		7 (interior)	#1913	P. truei, ♀, early adult, nulliparous - RECAPTURE
		7 (edge)	#1912	P. maniculatus, ♀, subadult, nulliparous - RECAPTURE
		5 (edge)	#1962	N. fuscipes, ♀, early adult (body brown, head grey), vulva open. Total length ≐ 310 mm. No warbles. Escaped into Chaparral.
		4 (interior)	1942	P. truei, ♂♀, mature, non breeding, RECAPTURE
		3 (interior)	#1910	P. truei, ♀, mature, nulliparous. RECAPTURE. Escaped to base of Chamise.
	V	-4	1963	P. boylii, ♂, mature, scrotal testes. 189-98-22-21. Escaped to stream bank.
		-2	1964.	P. californicus, ♀, mature, vulva crusty. White tail tip (<3mm) 225-121-27-25. Escaped in hole under log - marked w/ flagging. Reddish breast & chin
		-2	1965.	P. californicus, ♂, mature, non breeding - Dark tail tip Didn't measure because he seemed to be in poor shape. However, he escaped rapidly to a hole under a rock - marked w/ flagging
		-1	1966	P. californicus, ♂, mature, non breeding - Testes minute 228-124-25-25. Escaped to a log, then a rock, then another rock. Dark tail tip.
		-1	1967.	P. californicus, ♀, mature, vulva crusty, perhaps early preg. White tail tip (<3mm) 240-131-26-24 - Escaped to same rock as 1966 - flagged.
		0	1968	P. boylii, ♂, late subadult. Molt line ~15 mm from tail 179-95-23-21. with grey on rear, brown anterior. Thus, this species MUST molt reverse from P. truei. Head brown.
		1	1969	P. boylii, ♀, mature, breeding - vulva open & crusty. 192-97-22-21. Escaped to stream bank.
		1	1952	P. californicus ♂, mature, non breeding. RECAPTURE Escaped to stream bank

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June 7 (cont'd)

Trapline St.	ID #	Spp.	Sex, Age, Bridging
V 32	1970. 180-91-22-19.5	P. boylii	♂, early adult, nonbreeding. Tail stripe unusually narrow, about 1/3-1/5 of tail circumference, and very distinct. Tail rolls.
32	1971. 224-117-27-26	P. californicus	♀, mature, vulva open (teats tiny, perhaps hasn't bred before). White tail tip (~3mm). Escaped to shrubs NW of station by streambank.
32	1931	P. californicus	(RECAPTURE) ♀, mature, not pregnant, vulva crusty. White tail tip. Caught in same trap as 1930 below. Flagged escape site by streamside
2.	1930	P. californicus	♀, juvenile, nonbreeding. RECAPTURE. Caught in same trap as 1931 above. Escaped to same site.
3	1972 239-129-27-24	P. californicus	♂, mature, nonbreeding. Dark tail tip. left ear has 2mm rip. Escaped to stream bank
3.	1953	P. californicus	RECAPTURE. ♂, mature, nonbreeding (testes present but small; non-scrotal). Dark tail tip. Escaped to stream bank.
3	1933.	P. californicus	RECAPTURE ♂, juvenile, nonbreeding. Dark tail tip. Escaped under log - flagged
4	1934.	P. californicus	♀, mature, nonbreeding. RECAPTURE. Escaped to stream bank.
4	1973. 240-131-26-26	P. californicus	♀, mature, vulva slightly open. ~~white~~ Dark tail tip. Escaped under tree.
5	1974 197-104-22-20	P. boylii	♂, mature, scrotal testes. Escaped to stream bank.
6	1935.	P. californicus	♂, mature, nonbreeding. RECAPTURE. Escaped to stream bank
6	1975 181-95-23-20	P. boylii	♂, late subadult, nonbreeding. Same molt pattern as #1968 above. Escaped to streamside.
6	0100 (toe-clip) 144-70-21-19.5	P. boylii	♀, juvenile. Tiny animal. Toe clipped. Escaped to streambank.
7	1957	P. californicus	♂, mature, nonbreeding. RECAPTURE. Escaped to stream bank
7	1936	P. californicus	♂, mature, nonbreed. RECAPTURE. Escaped to stream bank. White tail tip.

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June 7 (con't)

Trapline St.	ID#	Spp.	Sex, Age, Birding
I 8	1976.	P. boylii	♀, mature, vulva crusty & slightly open. 180-96-22-21
8.	1938.	P. californicus	♀, late subadult, vulva open. RECAPTURE. White tail tip.
9	1978.	P. boylii	♀, mature, non breeding. Tail stripe very distinct. 182-95-22.5-21 Escaped under log. Caught w/ 1977, below.
9	1977.	P. boylii	♂, mature non breeding. Caught in same trap as 1978. 190-100-23-21 Escaped towards stream.
9	1979.	P. californicus	♀, mature, non breeding. Dark tail tip. Poor condition after trapping. Finally escaped to hole in ground - flagged. 218-115-27-26
10	1940	P. boylii	- RECAPTURE
10	1980	P. californicus	♀, mature, non-breeding. White tail tip. 225-129-26-24. Very aggressive. Escaped into log, then hopped out into grassland
10	1981	P. californicus	♀, mature, non breeding. Vulva crusty, teats obvious, but not lactating. Escaped under log. Dark tail tip 240-125-26-25
11	1941.	P. californicus	♀, juvenile. RECAPTURE. Dark tail tip. escaped under tree.
11	1983	P. californicus	♀, juvenile. White tail tip - only 1 mm. Escaped towards stream, but seemed confused. 188-112-26-24
12	1982	P. boylii.	♂, mature, non breeding 188-96-23-195.
12	1984.	P. boylii	♂, late subadult. Escaped up into log by trap station 180-89-23-21
13	1985.	P. californicus	♀, late subadult. White tail tip. Escaped to burrow under buckbrush (Lechtoma nuttalii)
13	1986	P. boylii	♀, mature, non breeding. Escaped to tree base.
14	1987	P. californicus	♂, mature. non breeding. Dark tail tip. 231-126-26-25 Escaped to base of tree.

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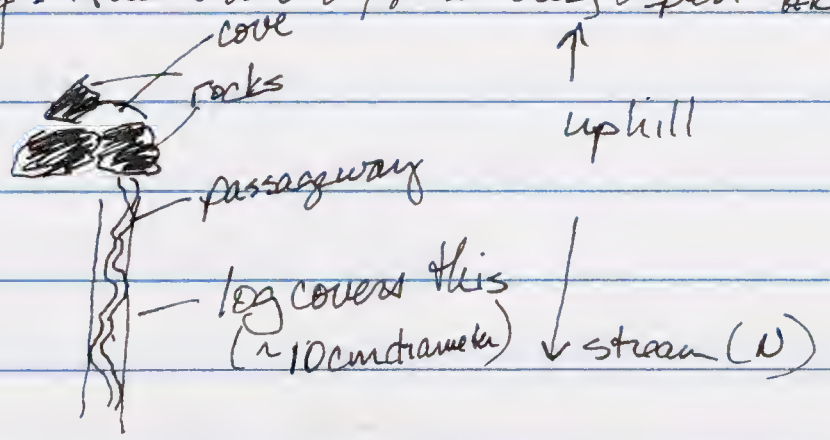
June 7 (cont.) I failed to measure some of the last captures because of the length of time it was taking to check all traps. I finished around 1130. The sun burned the clouds off earlier, around 0930. The wind is gusting up to 20 mph, and it is fairly cool (~ upper 70's). After lunch, I investigated refuge (escape) sites 3. The # indicates the animal seen enter 1964 (Station II-2). The hole starts about 1m from the uphill end of a log. I turned over the log and found a crude system of passageways winding under the log through leaf litter, rocks, and bark. Not much digging would be required to maintain this system. A few (2) acorn shells were found. At the furthest uphill point 2 rocks, each about 180mm across formed a crevice. When I pulled these over, 1964 was sitting in a cove formed between the rocks & the uphill slope. It is drier than the rest of the system and contains acorn shells, and some small seeds. 1964 scurried away. Area covered w/ poison oak, "aspen"-like plant. Canopy is oak



1965 (Station II-2). This escape site was among a group of rocks and litter. The largest rock was about 35 cm across. Underneath and to the sides of the rocks was a system of passageways. No animal appeared, but I did find acorn shells & a pile of 10-15 seeds from the bait mix used in the traps. This shelter was about 12m from the stream on a slope of about 30°.

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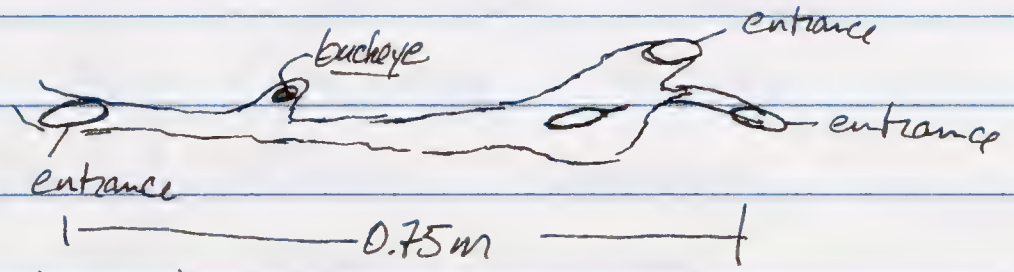
June 7 (con't) 1965 & 1966 (V-1). This escape site was under a large rock (~50 cm across) supported above the ground by surrounding smaller rocks. I lifted the large rock & underneath was covered with acorn shells & caps. No animals were seen.

1930 & 1931 (V-2). This escape site is located on a steep slope, 4m high, coming straight from the stream side. It is covered with moss, ferns, blackberry, and other misc. herbs. I dugout this system with my hands. The soil is very loosely packed and can be dug out easily. The passage system looked something like this (looking at side of slope)



I found & kept a buckeye stood in a blind tunnel. It looks like it has tooth marks. Acorn shells (~5) were also found. No clear signs of any nesting places were found. The slope is covered with numerous other holes, but I don't want to destroy the slope.

1933 (V-3) This escape site is under an old decayed log (~30 cm across). 1933 was under it and scurried away when I lifted the log. This is the least spectacular of sites seen - only a few passage ways under the log in the latter.

= Finished the afternoon by resetting all traps on Trapline V.

Later that night, I checked traps on Trapline VI to see how early these animals are coming out. Unfortunately, I only got through part of station 5 and my flashlight quit working - I returned home, leaving traps closed at the stations I checked. It was clear, no moon, and in the low 60's.

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June 7 (cont'd) Trapline station ID# Spp.

V 4 1988 P. boylii, ♀, mature, nipples appear breeding, but not lactating. Time: ~~1046~~ 2246 h.

-4 1963 P. boylii recapture

-3 1989 P. boylii ~~Recapture~~ New animal, didn't record any data

-2 1964 P. californicus

-2 [723] P. californicus ♀, mature, nonbreeding. White tail tip. I killed this one for collection purpose. It had alot (~20) of ectoparasites: fleas, tick, small white ticks.

-1 1967 P. californicus recapture

-1 1966 P. californicus recapture

0 1968 P. boylii recapture

1 1969 P. boylii recapture

1 1990 P. boylii, ♂, subadult pelage. Time: ~~##~~ 2315 hs

1. 1952 P. californicus recapture

2. 1991 P. californicus. ♀, mature, vulva open. Nipples big but not lactating. White tail tip.

2 1931 P. californicus recapture.

3 1953 P. californicus recapture.

3 1932 P. californicus recapture. Time: 2332 h.

4. 1973 P. californicus recapture.

5. 1956 P. ~~californicus~~ boylii recapture.

Despite flashlight failure, the trapping results clearly indicate these animals are active early in the night. I could also hear alot of them scurrying along the forest floor.

Max temp: 68 Min temp: 43

Hastings Reservation, Monterey Co., CA.

June 8 Morning weather: clear & calm, low 50's.

I returned to finish checking the traps with the following results.

Trapline	Station	ID#	Spp.	
V	5	1992	P. boylii	♀, mature, vulva open, but nulliparous.
	6	1993	P. californicus	♂, mature, nonbreeding. Red on neck and chest area. Dark tail tip.
	6	0100	P. ~~californicus~~ boylii	toe clipped. recapture.
	6	1934	P. californicus	recapture.
	7	1957	P. californicus	recapture.
	7	1936	P. californicus	recapture.
	7	1994	P. californicus	♂, mature, nonbreeding. Dark tail tip.
	8	1979	P. californicus	recapture.
	8	1938	P. californicus	recap.
	9	1939	P. californicus	recap.
	10	1981	P. californicus	recap.
	10	1940	P. boylii	recap.
	10	1941	P. californicus	recap.
	11	1995	P. californicus	♂, mature, nonbreeding. White tail tip.
	11	1996	P. boylii	♂, mature, nonbreeding.
	11	1959	P. californicus	recap
	12	1982	P. boylii	recap
	12	1997	P. boylii	♀, mature, vulva open.
	12	1980	P. californicus	white tail tip. recap
	13	1985	P. californicus	white tail tip (8 mm). recap
	13	1986	P. boylii	recap
	13	1998	P. californicus	♀, mature, vulva closed. Dark tail tip
	14.	1987	P. californicus	recap
	15.	1999	P. boylii	♂, mature, swollen testes, but nonbreeding
II	15.	2000	P. boylii	♀, mature, vulva open. Time 0636h.

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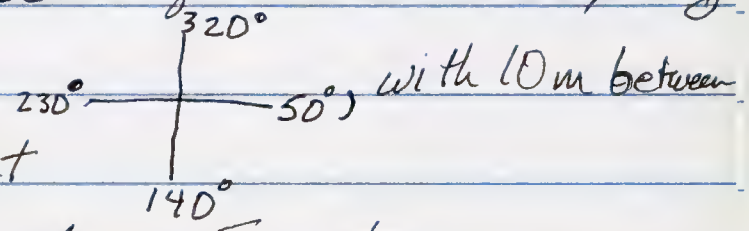
June 8(cont) I finished checking traps by 0700 hrs. I loaded everything up, and left for Berkley by 0800h. A successful week!
Max temp: 72 Min. temp: 42

June 23 Arrived at Hasting around 1500 hr. this afternoon - Skies are clear, slight breeze, and very warm (~~upper 80's~~ low 90's). Began by setting up a grid ~~in noon~~ in Madrone Canyon (same spot as Trapline II, see diagram below for corresponding stations). The grid axes are the following



with 10 m between each station. I finished setting out stations at 1830, I got 21 stations done. Finish tomorrow. The south slope grades into a "manzanita" patch starting about 30~40 m from the stream. The purpose of this trap is to trap & look at *Peromyscus californicus*. I will be here until July 4.
Max temp 91
Min temp. 56

June 24. I spent the morning finishing up the grid. I decided to stay with 5 stations across the canyon, I can always add more. Several *Neotoma* middens were discovered on the south side of the canyon (see map for locations). I numbered the stakes so that more can be added w/out renumbering. In the afternoon I set out 3 traps per station, baited w/ rolled oats & some residual seed mixture left over. This task took about 3½ hrs, finished 1630 hrs. Another cloudless, warm day (mid 90s), with slight breeze. I next set up a transect in the chamise behind the red house. - Trapline VI. Set out 10 stations, 10-15 m between stations, 2 traps per station, 1 placed in open & one placed under chamise or buckbrush. Baited with "Cob" (from P. Kelley), mixture of oats, barley, corn, & molasses. Finally, I set 4 museum snap traps about ~~50~~ 100 m from the grid in Madrone Canyon to collect *Peromyscus* for stomach analysis.
Max temp: 92
Min temp: 55

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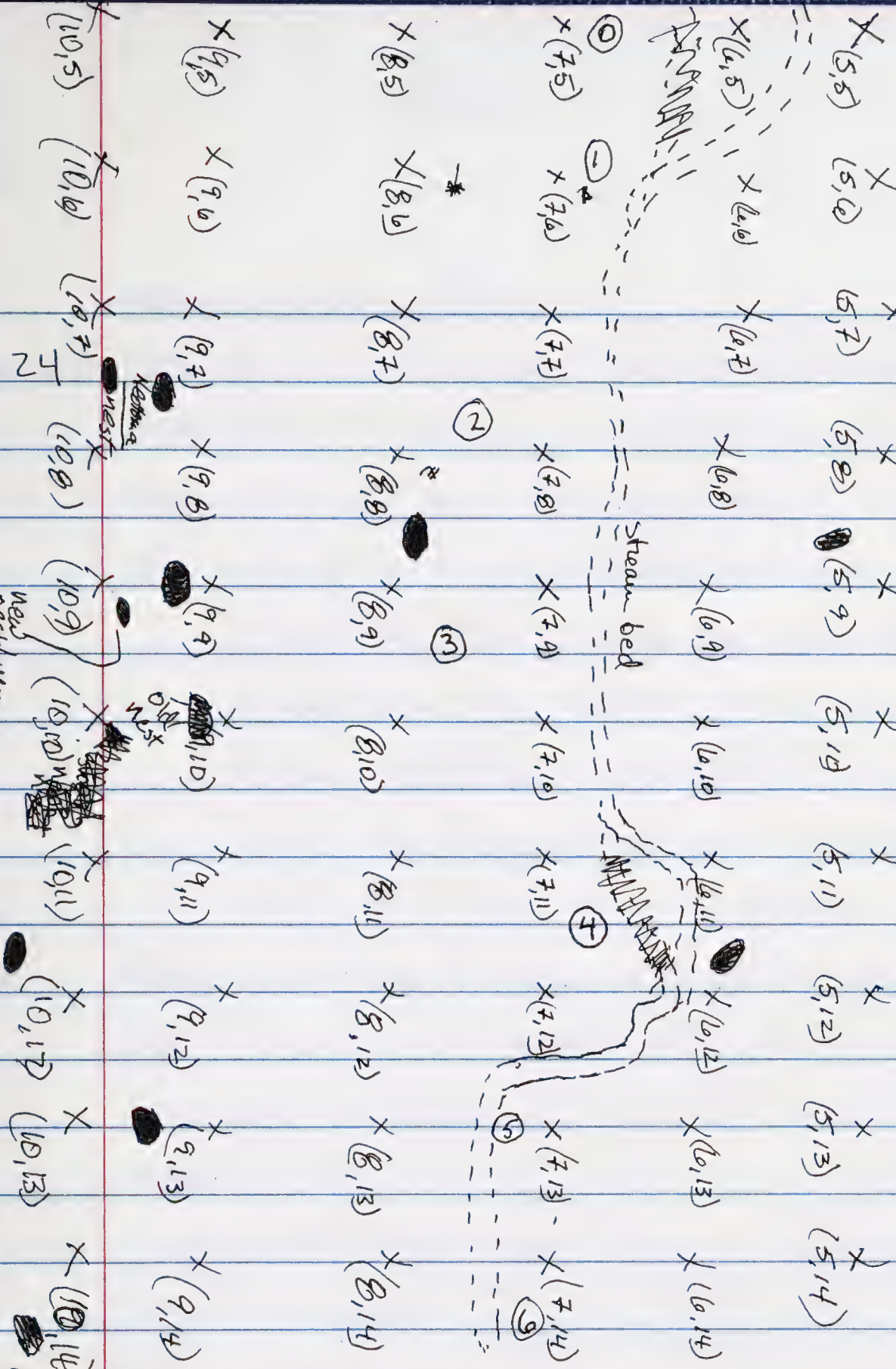
June 24



MAP OF GRID in Madrone Canyon. (MC-1)

* Dead Gerrhonotus

± Bird kill site (crow?)

(trap stations 10 m apart)

● Neotoma midden

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Hastings Reservation, Monterey Co., CA.

June 25 Clear, calm, and cool overnight. Low 50's this morning. Ground dry. Moon about 3/4 full, rises around 0100-0200 hrs. Started today at 0530 hrs.

Trapline	St. No.	Spp.	Sex, Age, Brdg
VI	1 (inter) 726	P. truei	♀, late sub, vulva slightly open, nulliparous
	5 (open) 727	P. truei	♀, early sub, nonbreeding
	6 (open) 728	P. truei	♀, adult, post-lactating, vulva closed, nipples swollen but not lactating
	8 (open) 729	P. truei	♀, adult, post lactating, vulva open. Right ear has large rip
	8 (int) 730	P. truei	♂, early adult, nonbreeding.
	9 (int) 731	P. truei	♂, adult, nonbreeding. Testes slightly swollen.

Finished this trapline by 0610 and headed for Madrone Canyon. 3 of 4 snap traps had animals, and all were caught by their rear legs and still alive. I killed these since they had no way of making it.

Location: Madrone Canyon, ~ 1/8 mile NE upper shed. Riparian veg.

[#724] P. californicus ♂, mature, nonbreeding. Caught by left rear leg.

[#725] P. boylii ♀, mature, no visible breeding signs. Caught by right rear leg.

[#726] P. californicus ♂, immature. ID on relative size & tail stripe. Caught by tail and left rear leg. 130-72-22-18.5

Data for Grid MC-1 was recorded on accompanying data sheets. To summarize:

P. californicus: total captures: 19 (1 escaped untagged) 9♂, 9♀
recaptures: 12 new animals: 6

P. boylii total captures 16 (1 previously tagged animal escaped) 10♂ 5♀
recaptures: 6 (+1) new animals: 9

N. fuscipes 3 new animals, 3♀

While handling Neotoma at 8,5. A Cooper Hawk flew up and perched about 10-15 m away up in a ~~willow~~ oak (?). It was probably attracted by the "squeal" of the rat. After 2-3 min, it clumsily flew away, bashing through the trees.

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June 25(con't) In the afternoon I staked out 1 more row on the south side of MC-1, row #10.

Trapline VII - Set out 10 stations, 10-15m spacing; 2 non-folding Shermans per station, baited w/ cob & rolled oats. The line starts where the Robertson Creek Road branches to the NE (0.9mi from Hastings main entrance). The line follows the course of the dry streambed in NE direction. Vegetation dominated by oak (live?), poison oak, & snowberry. At least 5 Neotoma middens are located along the line.

I began resetting traps on MC-1 about 1630hrs, finished 1820 hrs. Caught the following animal #750 M. californicus, ♂, mature, nonbreeding. Total length = 165 mm. Station 9, 8

Max temp: ~~92~~ 90 Min ~~53~~ 46

Finished resetting Trapline III at 1900hrs. - Long day, hot, clear, as before

June 26 Started @ 0540 this morning. As with yesterday, night was clear & calm. A few scattered clouds on the east & west horizon this morning.

Trapline	St. No.	Spp.	Sex, Age, Brding
VI	1(open) 751	P. truei	♂, mature, nonbreeding
	5(open) 727	P. truei	Recapture
	6(open) 728	P. truei	Recapture
	6(interior) 752	P. truei	♂, mature, testes swollen & close to breeding, rip in right ear
	8(open) 753	P. truei	♀, immature, nonbreeding
	9(interior) 731	P. truei	Recapture
VI	10(open) 754	P. truei	♀, immature, non breeding
VII	1 0100 toe clip	P. boylii	♂, subadult, nonbreeding
VII	1 0110	P. boylii	♀, mature, vulva open, nipples post lactating
VII	2 0120	P. boylii	♀, mature, nipples very swollen but not lactating vulva intermediate

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June 26 (cont) Trapline St. No. Spp. Sex, Age, Brdg, misc

VII 3 0130 P. boylii, ♂, mature, testes swollen but not scrotal

5 0140 P. boylii, ♀, mature, pregnant (palpable embryos). Pulled a small spherical ~~mo~~ brown mass from vagina - O. One side has reddish coloring. The animal escaped to the Neotoma midden adjacent

6 0200 P. boylii, ♂, mature, testes scrotal but very soft

7 788 P. californicus, ♀, late subadult, nulliparous. Missing last 5 mm of tail, otherwise dark tip

8 210 P. boylii, ♂, early mature, nonbreeding } caught together in same trap

8 220 P. boylii, ♂, mature, testes intermediate }

9 no tag N. fuscipes, let this one go untouched. Looked like subadult

10 230 P. boylii ♀, mature, nonbreeding, parous. Lost rear of tail

VII 10 240 P. boylii, ♂, mature, testes close to breeding.

I started checking the grid at 0610 hrs, and didn't finish until 1045 hr. 4 Cooper's Hawks were perched in the live oak at station 8,5. Two of the animals looked like juveniles (smaller, more white feathers on body), but I needed binoculars to tell for sure. They weren't bothered by me in any noticeable fashion. Anyway, summary of captures (see Grid Data sheets for complete account):

P. californicus TOTAL CAPTURES: 25 (13 ♂, 12 ♀)
RECAPTURE: 16 New animals: 9

P. boylii TOTAL CAPTURES: 26 (11 ♂, 15 ♀)
RECAPTURES: 15 New animals: 11

N. fuscipes Total 11 (5 ♂, 6 ♀) Recaptures: 3 New: 8

P. truei Total 3 (1 escaped), all new (2 ♀)

M. californicus Total 3, all new (3 ♀)

Perognathus californicus - 1

Total Captures: 69

Caught 1 animal in snap trap; same location as June 25 snap traps.
#727 P. boylii, ♂, mature, nonbreeding.

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June 26(con't) I didn't get to Trapline VIII until 1100h, but all animals were in good shape. To save on ear tags, I toe-clipped all P. boylii for identification. See the list above for results. Finished checking all traps at 1200h. I set out 2 Tomahawk's (woodrat size) and 1 Longworth live traps on the grid to catch whatever is rolling traps. - baited with peanut butter & oats. Finished resetting grid by ~~0~~ 1700hrs. Finished setting traplines by 1830h.
Max temp ~~90~~ 89; Min Temp ~~40~~ 45

June 27 Overnight it was foggy & calm. At 0500 this morning, the fog was dense. By the time I got started, 0540h, it was barely cloudy, cool (upper 40s). Moon ½ full.

Trapline	~~No.~~ St. No	spp.	Sex, Age, Breeding
VII	1 (open)	751	P. truei — Recapture
	7 (open)	789	P. truei ♂, early mature, nonbreeding
	8 (interior)	753	P. truei — RECAPTURE
	8 (open)	729	P. truei — RECAPTURE - vulva intermediate perforate
	9 (open)	754	P. truei — RECAPTURE
VI	10 (interior)	790	Perom. californicus - ♀, mature, parous, nipples large but not lactating. White tail tip ~12mm.
VII	1	0300	P. boylii, ♂, subadult, nonbreeding
	2	0310	P. boylii, ♀, mature, nulliparous
	2	[728]	S. ~~ornatus~~ trowbridgii ♀(?), dead in trap. Grass seed was stuck in right ear. Dark, almost black dorsally, brown ventrally
	3	0320	P. boylii, ♀, mature, vulva perforate. Shortened tail
	3	[729]	S. ornatus trowbridgii, dead in trap. Too small to sex - Brown dorsal, pale ventrally. Smaller than #728 with paler underparts
	4	0340	P. maniculatus, ♀, mature, early pregnancy, vulva crusty
	4	—	N. fuscipes tail left in door
	5	didn't tag	N. fuscipes, ♂, mature. Big
VII	6	0200	P. boylii - Recapture

think I dusted 1952 dark green @ 88
then caught 1953 @ 79
(I wrote 1953 was dusted)

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	Trapline	st.	no	spp.	
June 27 (cont)	VII	7	788	P. californicus	- Recapture
	III	8	0210	P. boylii	- Recapture
	VII	9	Didn't Tag	N. fuscipes, ~~mature~~ subadult.	

May temp: 83
Min temp 43

I started on the grid @ 0615 and finished at 1015 hrs. Only saw 2 Cooper's Hawks (definite id) this morning, but noticed there nest in a live oak by station 7,6a. Summary results from grid MC-1: P. californicus total captures ~~26~~ 24 (~~16~~ 15 ♂, 9 ♀)

recaptures: 20 new animals: ~~6~~ 4

P. boylii total: 32 (15 ♂, 17 ♀)

recaptures: 22 new animals: 10

N. fuscipes: 15 total, 2 new animals
P. truei: 5 total, 4 new animals
M. californicus: 2 total

Only Neotoma were caught in the large traps I ~~placed~~ - so maybe they roll the traps (?)

Finished checking Trapline VIII by 1130 hrs. Note the Sorex mortalities listed above. Went into town today for misc. supplies around mid-day. Started resetting traps on grid MC-1 at 1600h, and finished at 1720h. It is cooler today (mid 80's), with a nice breeze. I reset the traps on Trapline VII this morning as I checked for animals. I didn't reset Trapline III.

2218 h - Began my all night charades.. Cloudless night, calm, mid-60's, no moon yet. See grid data for trapping results (Occ 4). Closed all traps

2300 - Dusted ♀, 1991 with ORANGE. station 10,7 I tried the "shake & bake" approach which doesn't work well because she jumped around so much, the dust got in her eyes. Try it with a brush! Anyway, she headed west under a rock which I flagged. I caught her by hand & attempted to brush & wash the powder from her eyes. Not much luck

2400 - ~~1953~~ 1952, ♀ 8, 8. DUSTED DARK GREEN. I dusted this animal by hand with a weed. Worked O.K. It escaped into the log at the trap and I didn't see go out ~~or~~, nor could I catch a fluorescent trail. Hopefully, it is still inside the log

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June 28 (continuation of night trapcheck)

0035h - Dusted 1935 (♂) with Lime Green at station 7,12. The bag is not very full, so I "shake & bake" this animal with moderate success (hard to get back covered). However, the lime green color is worthless - it is not obvious on the animal and doesn't leave a distinct trail. Don't use this color.

0100 - By this time the rechargable batteries ran out of juice (lasted ~3hrs). Also, it seems like there is less audible activity by small mammals. I'm not sure about this.

0115 - Dusted 1939 (♀) with RED at station 7,12. I held her behind the head and stuck the posterior part of her body in the bag. This seems to work well. She escaped up & into a hollow tree stump about 1.5m above ground level - flagged it. RED appears deep orange.

Finished checking all traps at 0150h. The moon (~½ full) is rising.

Summary of Trap Results:

P. californicus - 18 total (9♂, 9♀), 1 new, 17 recaptures

P. boylii - 31 total (14♂, 17♀), 5 new, 26 recaptures

P. truei - 5 total (3♂, 2♀), 1 new, 4 recaptures

N. fuscipes - 11 total (1 untagged animal was released w/out tagging), 11 recaptures

Apparently, not all P. californicus enter traps early in the evening - a major problem for dusting procedures

0400 - returned to the grid to search for powder left by dusted mice - Nothing! I could find the trail up to their escape spot, but nothing after that. I tried to find the animals, no luck. It is still clear, but a lot brighter than earlier. I sat on the grid from 0430 to 0515h - not much activity audible. Only saw one P. boylii jumping around station 10,5.

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June 28 (con't) Arrived at Trapline VII at 0530h. I picked up all the traps on this Trapline & didn't tag new animals

Trapline	St. No	Spp	
VII	10	0240	P. boylii Recapture
	8		Gerrhonotus
	7	0220	P. boylii Recapture
	7	0788	P. californicus Recapture
	6	0200	P. boylii Recapture
	6	0400	P. boylii ♂, mature, nonbreeding
	5	Didn't tag	P. boylii ♂, immature, nonbreeding
	5	Didn't tag	P. boylii, ♀, vulva perforate
	3	0120	P. boylii Recapture
	3	0320	P. boylii Recapture
	2	Didn't tag	P. boylii, ♂, mature, nonbreeding. Very sharp tail stripe
VII	1	Didn't Tag	P. boylii, ♂, subadult, nonbreeding.

1530h - Set up Transect VIII. Finch Creek. Station 1 is about 20m upstream from the bridge leading to Hastings. Ran the transect upstream with trap stations ~~@~~ every 10-20m, 2 traps/station, baited with rolled oats. Set out 20 stations (40 traps). Habitat dominated by oaks, sycamore, poison oak, and snowberry. Max temp: 83 Min 43

1630h - Reset traps on MC-1, finished by 1800h. Set 2 snap tracks at stations 10 & 11 on Trapline II (old trapline), ~50m east of the grid

June 29 0100hrs - Out for nighttime run. Clear, calm night. Cooler than last night (mid to lower 50's). Caught a P. boylii at 5,5 that I thought was 750, but it couldn't be. Must be 756.

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June 29 (cont) #475 - green on feet & tail - probably walked through it. It wasn't on nose

#1991 - redusted w/ orange. Her left eye is not functioning after last night's poudering. This time I brushed her which seems to work well. I followed her escape for about 10m to the east, until I couldn't find any more powder.

#1952 - redusted w/ dark green. Green was still visible on tail & ears particularly. Followed him down the side of the hill. He went past a "madrone" then backup to it & sat on the ground. I startled him and he leaped 2m down but returned to a hole by the tree which I flagged
Saw a boylii above station while doing this

#758, ♂, had orange on all limbs & whiskers (station 9,6)

Around 0300, the amount of audible activity seems to have declined.

#740 ♂ had orange all over = limbs, ears, tail, penis, dorsal side.
Captured at 9,8, right next to where 1991 was tracked

#1939 - redusted w/ RED at station 8,12, 0454 hrs.
I could only follow her trail 5m from station

Caught #767, N. fuscipes again @ 8,13, 0500 hrs.

#1994, ♂, had red on limbs & around mouth at 8,14

#1935, caught @ 8,14, lime green still visible!, But didn't redust.
* Also had red on nose & limbs, could be from excess on ground.
(See Grid Data for results & summary below)

Finally --- finished checking traps at 0540. The moon is < ½ full, there is a thin layer of low clouds in the west. Began checking traps on Trapline VIII at 0600 hrs.

Trapline	St	No	SPP
VIII	1	0100 (toe clip)	P. boylii ♂, late subadult, non breeding
	1	Didn't Tag	N. fuscipes, mature
	2	0110	P. boylii, ♀, mature, vulva perforate & parous
	2	0120	P. boylii, ♀ mature, perforate & parous - Tail shortened
	4	0140	P. boylii ♂, mature, testes swollen some, but not scrotal
	5	0130	P. boylii, ♂, early mature, non breeding
↓	6	0100	R. megalotis, ♂, mature, scrotal testes.
VIII	7	0200	P. boylii, ♀, immature, nulliparous

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June 29(cont) Trapline St. No. Spp. Sex. Age, Brdng

VIII 9 0220 P. boylii, ♂, mature, swollen testes, not scrotal

12 0210 P. boylii, ♀, mature, pregnant (2 embryos palpable)

11 Didn't tag N. fuscipes mature

11 tag N. fuscipes immature.

13 0230 P. boylii, ♀, early mature, nulliparous

13 Didn't Tag N. fuscipes, immature

14 0240 P. boylii ♂, early mature, nonbreeding

18 ~~7~~30 Sorex trowbridgii ♀ (?). Trap mortality. Under live oak & blackberry

19 0100 Peromyscus californicus, ♀, mature, perforate

VIII 20 0300 P. boylii, ♀, mature, perforate & perous - large nipples. Must have been lactating very recently

All P. boylii were toe-clipped to save on ear tags. Finished checking these traps by 0650h.

Summary of captures on MC-1.

P. californicus - 30 total captures (15♂, 15♀), 28 recaptures, 2 new animals

P. boylii - 3~~4~~ total captures (1♂, ~~1~~6♀), 2~~4~~ recaptures, 10 new animals

P. truei - 7 total captures (3♂, 4♀), 6 recaptures, 1 new animal

N. fuscipes - 15 total captures (4♂, 8♀ - Didn't tag 3 animals)

M. californicus - 1 recapture

P. californicus - 1 recapture

Reset traps on MC1 from 1615 to 1800h, then finished resetting traps on Trapline VIII by 1830h. Today is the coolest day, yet. Calm, clear, high in low 80's.

2250h - Out for nighttime check - clear, calm, mid 50's, tonight I plan on checking traps twice - resetting between checks.

See summary below.

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June 29 2320h - Redusted ♂, 1952 w/ Dark Green - station 8,7. Some Red from the brush was transfered onto his penis & left rear leg. Escaped to the east (run) then north towards streambank

2330h - Female # 1931 - Green (Dark) on feet, around mouth, & base of tail. Vagina very perforate (open to inside)
May temp: 82 min 45

June 30 0010h - 739, ♂, caught at 10,9 covered w/ Orange Powder - limbs, ears, mouth, penis chest

0050 - 740, ♂, caught @ 9,9 covered w/ Orange Powder - " "

0100 - 1991, ♀, caugh @ 9,8 redusted w/ Orange Powder.

0130 - 1936, ♂, caught @ 8,14. Covered w/ Red Powder, again @ 0535

0130 - 1994, ♂, " " " 4 " " ".

0140 - 1939, ♀, caught 7,14 - Redusted w/ Red
1938, ♀ " " - Red on limbs, ears, tail, mouth

0155hr - 2 great horned owls heard calling to the west - ♀ ♂ } different pitches

Finished checking the grid at 0210 hrs. Back at 0340 to check again. The moon has risen and is >¼ full. I can still hear some activity on the grid. All Neotoma captured will be released to save time.

0415 - 1929 ♀ - Dark green on feet & ears. Orange on legs from trap which is covered inside.

0445 739, ♂ at 10,8 - Orange powder on body.

I finished checking all traps by 0600 hrs, which is cutting it close. It starts getting light around 0515 and is light enough to read ear tags by 0545 hrs. On my way out I stopped to watch the Cooper's Hawks. I counted 5, or at least 4, and all were immature. I'm still not sure if ~~these~~ they are Coopers or sharp-shinned, but I haven't noticed a notched tail. I should take my binoculars tomorrow morning.

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June 30(cont) Arrived at trapline VIII 0615 h. It seems very cool this morning (upper 40's)

Trapline	St.	No	Spp	
VIII	1	0100	P. boylii	RECAPTURE
	1	—	N. fuscipes	mature (Didn't tag)
	2	0110	P. boylii	RECAPTURE
	3	0100	R. megalotis	RECAP
	4	0130	P. boylii	RECAP
	4	0140	P. boylii	RECAP
	5	0310	P. boylii	♂, subadult, nonbreeding
	6	[731]	Sorex trowbridgii	sex(?), Trap mortality. A large (4m) parasite(?) that resembled an earwig crawled out its fur. Brownish color
	7	0320	P. boylii	♀, vulva perforate, nulliparous. Shortened tail. Distinct tail stripe.
	8	0330	P. boylii	♂, mature, nonbreeding.
	8	0340	P. boylii	♂, mature, nonbreeding.
	9	—	N. fuscipes	mature. Escaped across stream (ran through H2O)
	11	—	N. fuscipes	mature } Both escaped to midden SE of traps
	11	—	N. fuscipes	immature }
	12	400	P. boylii	♂, early sub, nonbreeding
	12	—	N. fuscipes	subadult
	13	0230	P. boylii	Recapture
	13	0410	P. boylii	♂, mature, nonbreeding.
	14	0240	P. boylii	Recapture
	15	0200	Perog. californicus	♀, mature, parous
	17	0420	P. boylii	♀, mature, pregnant.
	17	0100	M. californicus	♀, mature, parous. Much larger than conspecifics caught on MC-1.
	18	0430	P. boylii	♂, mature, testes a bit swollen, but nonbreeding.
↓	19	0100	Perog. californicus	Recapture.
VIII	20	0300	P. boylii	RECAPTURE

Staphelenidae family

Summary of Capture Results on MC-1 (First Occasion)

P. californicus: 24 total captures; (11♂, 13♀); 1 new animal; 23 recaptures

P. boylii = 31 total captures (17♂, 14♀); 3 new animals; 28 recaptures

P. truei = 8 total captures (4♂, 4♀); 1 new animal; 7 recaptures

N. fuscipes = 17 total captures (6♂, 8♀, 3 untagged)

M. californicus 1 recapture

Perog. californicus 1 recapture

82 total captures

Summary of Capture Results on MC-2 (Second Occasion)

P. californicus 20 total captures (8♂, 12♀); 18 recaptures - 11 recaptures from same night; 2 new animals

P. boylii 33 total captures (17♂, 16♀); 26 recaptures - 15 recaptures from same night; 7 new animals - Plus 2 animals recaptured 3rd time

P. truei 7 total captures (3♂, 4♀); 7 recaptures - 6 recaptures from same night

Perognathus californicus - 1 recapture

N. fuscipes - Although I didn't record these, similar numbers to the earlier trap session were captured.

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June 30(cont) The number captured for the second occasion are conservative because in ~3 instances I misread ear tag no.'s in my haste. Only definitive animals and numbers were recorded. Note that 2 P. boylii were captured 3 times. No trend between occasions is obvious, except that more new animals were captured on the second occassion.

Reset all traps between 1630 and 1830. Caught a ♂, Sceloporus occidentalis with a regenerated tail at station 7,14. Toe-clipped him # 2000. Also watched a S. griseus climbing in trees around 7,14. It was warmer today (high 80's), and calm.

Around 2200h, we netted a Myotis subulatus in the school house, ♂(?). It was stunned and took a few hours to revive in the Red. House

Max temp - 83
min temp - 47

July 1 0230 - Out for a night-time trap check. Clear, calm, low 50's

0315 - #793, ♂, station 8,6 has green on back & front feet, but not around mouth or ears. Probably just encountered the dust somehow

0320 - #1952, ♂, dark green on limbs, ears, mouth, penis

0320 - 1931, ♀, dark green on limbs, ears, & tail. Seems old. Vulva scaby

0330 - ♀ 1929 (immature) green on limbs, tail, ears

0345 - ♂739 - orange on limbs, ears, mouth

See spp. account for P. californicus for summary of Pigment work

0425 768 - animal appeared to have lime green on limbs & tail, but I think it is just a urine reflection. The color doesn't glow in the dark. Don't count this

0450 740 - animal covered w/ orange, But could have gotten this in trap.

0515 - 1936 - covered w/ Red, limbs, ears, & crotal area, & mouth. Seems older & not fresh.

1994 - covered w/ Red - limbs, mouth & ears. Although the trap has some pigment, I think there is too much on this animal to get it solely from that.

0530 - 1934 - seems to have some lime green in ears, but not definite

Finished around 0600h. It was warmer tonight than any of the past nights (low 50's). Moon is ¼ full. See GRIDDATA for results & summary below. Counted or heard at least 4 immature Cooper's Hawks.

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July 1 (cont) Last morning on trapline VIII

Trapline No. IB# SPP. Sex, Age, Brdg.

VIII 20 Dental Tag *P. maniculatus* ♂, mature, scrotal testes

20 no tag *P. boylii*, ♂, mature, nonbreeding

19 no tag *P. boylii*, ♀ mature, pregnant.

19 0100 *Perog. californicus* RECAPTURE

18 0430 *P. boylii* RECAPTURE

17 0420 *P. boylii* RECAPTURE

16 no tag *R. megalotis*, ♂, mature, scrotal testes.

15 0240 *P. boylii* Recapture.

15 0200 *Perog. californicus* - RECAP

14 No tag. *P. californicus*, ♀, subadult pelage, vulva perforate. Dark tail tips, ventral side of tail much darker than madrone Can you animals. Escaped towards stream bank.

14 No tag. *P. boylii*, ♂, mature, scrotal testes.

13 No tag. *N. fuscipes* - subadult.

12 0400 *P. boylii* - recapture

12 0210 *P. boylii* - recapture

11 no tag *N. fuscipes* - juvenile.

11 [732] *S. trowbridgii*, sex ?. Trap mortality, - rigid

10 no tag *P. boylii*, ♂, mature, testes swollen some but not scrotal

9 no tag *N. fuscipes*, mature. Escaped to midden across stream

9 no tag *P. maniculatus*, ♂, mature, scrotal testes.

6 0100 *R. megalotis*, RECAPTURE

5 0200 *P. boylii* RECAPTURE

4 0130 *P. boylii* RECAPTURE

4 0140 *P. boylii* RECAPTURE

1 No tag *N. fuscipes*, mature

VIII 1 No tag *P. boylii*, ♂ early mature, nonbreeding

2 0100 *P. boylii* RECAPTURE

Summary of Capture Results on MC-1.

P. californicus 30 total captures (19♂, 11♀), no new animals

P. boylii 37 total captures (25♂, 12♀), 4 new animals, 33 recaptures

P. trowei 6 total captures (2♂, 4♀), 1 new animal, 5 recaptures.)

R. megalotis - 1 new animal

N. fuscipes 13 total captures (6♂, 7♀). 1 animal not tagged.

~~Perog. californicus~~ *Microtus californicus* - 1 recapture.

Total captures = 88

See Journal - Grid Data sheets for overall summary.

In the afternoon I picked up the traps on MC-1 and set up 2 transects running southerly from the grid to see how high up *P. californicus* ranges. Fortunately, the slope ends around 40-50 m above the grid's drops off into an oak savannah habitat. The last few meters are much more xeric, w/ plants & shrubs I don't know at this time.

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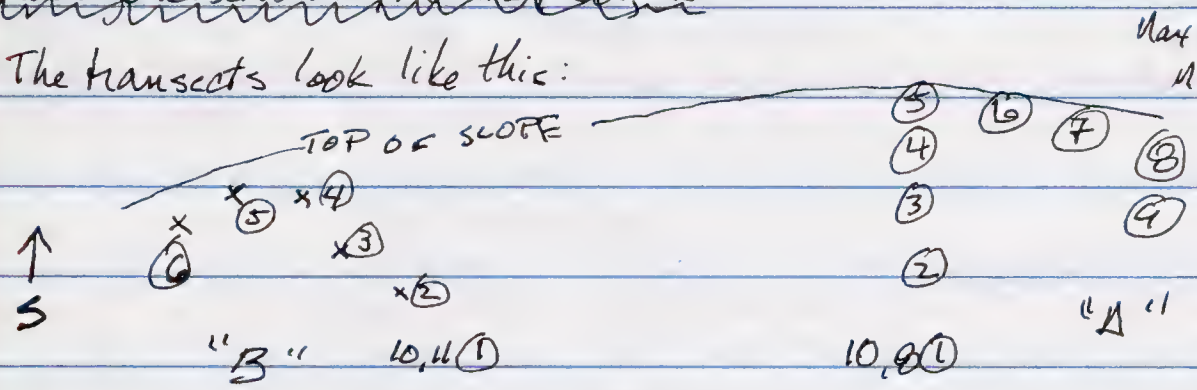
July 1 (cont'd) The transects look like this:



Three traps were placed at each station w/ 10-20m between stations.

Set up Transect IX in Finch Creek Canyon. Station 1 is 30m downstream from the bridge which is 0.9 mi SW from Hastings road. The transect runs downstream, 2 traps per station, 15-20m spacing. 10 stations. All stations follow the stream on the west side, except #9 & 10 which angle up the hillside. The habitat is very similar to Madrone Canyon with live oaks, snowberry, more poison oak, and thick leaf litter.

Today is hot! mid 90's, breezy up to 10 mph, and clear.

Set up Transect X in Robertson Creek Canyon, 0.4 mi upstream (SW) of Hastings Gate. 10 stations, 2 traps/station, 15-20m spacing. The habitat on this transect ranges from steep hillside (oak cover with abundant leaf litter) to riparian bottom w/ oak, snowberry, ferns, & poison oak. The slope faces the NE. Only 95 traps out tonight.

July 2 0550h. Clear and warm this morning (mid 50's) with a slight breeze. Overnight it was clear and calm.

Trapline	Station No	No.	Spp
MC-1 (A)	1 (10,8)	765	P. truei RECAP
	1	1979	P. californicus RECAP
	2	739	P. californicus, ♂ RECAP. Escaped to base of Madrone 2m E
	2	763	P. truei. RECAP. Escaped under rocks at station
	3	1991	P. californicus. RECAP. Still has a lot of Orange pigment. Escaped to shrubs w (in) of station.
	3	740.	P. californicus Recap. Has Orange Pigment. Escaped downhill towards grid
	3.	Mus.	musculus. Recap. Escaped to midden 3m E of station
	4	2640	P. truei, ♂ mature, nonbreeding. dewormed. Escaped under rock at station
	4	798	P. californicus. RECAP. Escaped toward Grid
	5	476	P. truei RECAP. Escaped in hole under Madrone at station

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Trapline	st.	No.	Spp. Sex, age, breeding
July 2 (con't) MC-1 (A)	6	0210 (toe clip)	P. boylii, ♂, mature, nonbreeding. Went up into shrub at station
	6	0230	P. boylii, ♀, mature, vulva closed. Distinct tail stripe
	6	2634	P. truei. RECAP. Escaped up into shrub, then down under shrub 3m NW of station.
	7	2641	P. truei, ♂, subadult, nonbreed. Escaped NE over rocks
	7	797	P. truei. RECAPTURE. Escaped under rock at station - later came out & back in
	7	796	P. californicus RECAPTURE. Escaped down hill towards grid
	8	2642	P. truei. ♀, late subadult, nulliparous. Escaped under rock at station
	8	0230	P. boylii, ♂, early mature, nonbreeding " " " " "
	8	0760	P. truei subadult. RECAPTURE. Escaped ↓ towards grid
	9	2643	P. truei, ♀, mature, post-lactating. Mammae still very swollen. Escaped to west under shrubs.
	4	2646	P. californicus. ♀, mature, post-lactating. Mammae large & swollen. Vulva crusty. Escaped to hole by rock at station
MC-1 (A)	9	496	P. californicus. Recapture. Vulva crusty. Escaped out of sight down hill (W)
MC-1 (B)	6	0300 (toe clip*)	P. boylii, ♂, mature, nonbreeding. Toe "naturally" clipped off. I haven't toe-clipped any animals here up that number.
	6	2630	P. boylii RECAP. Escaped ↓ down hill.
	6	768	P. californicus. Escaped in a hurry ≤ W down the hill out of view
	5	Didn't tag	N. fuscipes, mature } Both escaped to midden NE of station
	5	" "	N. fuscipes, subadult }
	4	478	P. boylii. RECAP.
	4	Two rags rolled.	
	3	437	N. fuscipes RECAP } Both escaped down grid to NE
	3	No rag	N. fuscipes, mature. patch on rostrum w/ no hair }
	2	443	P. boylii RECAP. Escaped down hill.
	2	1993	P. californicus RECAP. Escaped to west out of sight
	2	470	P. truei RECAP. Watched this animal for ~5min. It kept going down in holes in rocks at the station then reappearing out of the hole. Spent a lot of time smelling into holes & grooming. Eventually ran off to the S.W. out of view.
MC-1 (B)	1 (10,11)	436	P. truei RECAP. Escaped to hole to NW of station in open area
X	3	2647	P. californicus, ♀, mature, vulva scabbed over. Dark tail. Escaped towards stream under blackberry, etc.
	5	2648	P. californicus ♂, mature, scrotal testes - Breeding. Dark tail tip Escaped towards stream.
	6	2649	P. californicus, ♂, mature, scrotal - Breeding. Lost posterior part of tail (old), Dark tip. escaped under adjacent log
	6	Didn't tag.	N. fuscipes. subadult. Escaped to stream bank.
	8	0100 (+2)	R. megalotis. ♂, mature, nonbreeding
	9	835	P. californicus. ♀, mature. Very Pregnant. Two young palpable, size of little finger. Escaped to stream bank (NE).
IX	1	0100	P. boylii. ♀, mature, parous, vulva closed
	1	0100	P. maniculatus, ♂, mature, scrotal testes - breeding
	3	838	P. californicus, ♀, mature, vulva scabbed. Dark tail tip. Escaped into rocks at station.

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July 2 (con't) IX 3 0110 P. boylii, ♂, mature, non breeding. Tail bulged ~15mm from base.
5 0120 P. boylii, ♂, mature, non breeding } CAUGHT IN SAME TRAP
5 0130 P. boylii ♀, mature, vulva closed, parous }
6 0240 P. boylii, ♂, mature, scrotal testes. Tail shortened (lost posterior tip)
7 0110 R. megalotis, ♀, mature, pregnant (palpable), vulva perforate. Escaped under twigs & litter.
8 0300 P. boylii, ♀, mature, vulva closed, nulliparous.
9 Didn't tag N. fuscipes. Mature. Escaped to N toward stream
10. 0200 P. boylii, ♂, mature, testes swollen, but non breeding

Finished 0910h. At 1000h set up Transect XI. Starts on west side of Arnold Rd, 1.7mi from highway (along rd distance). Runs up a arroyo for 6 stations, then transverse the hill side to the N, NW. Steep slope with live oak, bay trees, poison oak, sycamore, manzanita and deep leaf litter. 10 stations, 2 traps per, 10-15m spacing. @ 1100 h. set up Transect XII. At chaparral edge at top of Arnold Rd (0.2mi east of west Boundary) (south of rd). Transect follows edge of chaparral patch for 7 stations, then crosses rodd to small chaparral patch (N of road.) Chaparral consists of chamise, ~~rabbit brush~~ Adenostoma and Buckbrush

@ 1400h. Set of Transect XIII in West Ravine 0.2mi from Highway along Arnold rd. 10 stations, 10-20m between stations, 2 traps per. Habitat is dominated by live oaks, poison oak, and manzanita. Between tree patches it is very grassy - All traps were placed in litter under trees. Several (~8) Neotoma middens are present.

1600 h. Reset Trapline X and added 10 stations, 5 to the furthest downstream station, and 5 which start around #7 and proceed up the slope then back across ↔ line

Today was another hot day, perhaps not quite as hot as yesterday.

Max temp: 93 Min 54

July 3 0550 - Calm, clear, and fairly warm this morning (low 60's). Slight breeze started (~0mph) shortly after I started

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	Trapline	st.	No.	spp.
July 3 (cont)	MC1-(A)	1 (10,8).	800	P. truei, RECAP. escaped up into adjacent Bay Tree.
		1	1929	P. californicus RECAP.
		1	765	P. truei RECAP. escaped into rocks 2m W.
		2	740	P. californicus RECAP. Orange pigment on ears. Escaped into hole 5 of station 1m
		2	7163	P. truei Escaped into hole by station, then came out & went east. RECAP
		2	739	P. californicus. RECAP. Escaped to east
		3	489	P. californicus RECAP. Escaped N via trees
		3	1991	P. californicus, Perforate. Recap. Escaped to NW.
		3	476	P. truei RECAP.
		4	2640	P. truei RECAP
		4	798	P. californicus RECAP. Escaped east
		4	497	P. truei RECAP. Escaped NE
		5	2643	P. truei RECAP.
	(N)	5	839	P. boylii. ♂, mature, nonbreeding. Escaped S under Madrone.
		5	Didn't Tag	N. fuscipes. mature. Escaped to E
		6	734	P. truei, subadult RECAP.
	(N)	6	840	P. boylii ♀, mature, closed, parous. Escaped in hole by station.
		6	841	P. truei, ♀, mature, closed parous.
		7	735	P. boylii RECAP
		7	736	N. fuscipes RECAP.
		7	797	P. truei RECAP Escaped to N.
		8	0250	P. boylii, sub, toe-clipped previously, RECAP.
		8	760	P. truei, sub. RECAP
		9	842	P. truei, ♂, mature, testes scrotal.
		9	2646	P. californicus RECAP
	MC-1(A)	9	2643	P. truei RECAP
	MC1-(B)	6	0300	P. boylii RECAP (toe-clipped)
		6	2630	P. boylii RECAP
		6	771	P. boylii RECAP
		5	D. dut tag	N. fuscipes, mature. Lost tail end in trap door
		5	"	" , subadult
		5	843	P. californicus, ♂, subadult, nonbreeding. Dark tail tip. Right ear has 2mm tear on edge. Escaped N down hill
		4	1993	P. californicus RECAP
		4	Didn't tag	N. fuscipes, mature, scar on rostrum
		3	1973	P. californicus RECAP. Corner of ot. ear chewed on
		3	0400	P. boylii, ♀, subadult, nulliparous - Toe-clipped
		2	1976	P. boylii RECAP
		2	470	P. truei RECAP
		1	436	P. truei RECAP.
		1	767	N. fuscipes, immature. RECAP
	MC1-(B)	1	437	N. fuscipes. Recap

Finished 0710h.

This was the last morning for these transects. Adequate information has been gathered.

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July 3 (con't)

	finished	#	No.	spp.
X		1	0100(+c.)	R. boylii, ♀, mature, pregnant. Escaped towards stream
		3	848	P. californicus, ♂, subadult; nonbreeding. White tail tip. Escaped to W in hole 3m from trap
		3	2647	P. californicus RECAP. Escaped in hole above # 848
		5	0110	P. boylii, ♂, mature (early), nonbreeding. Escaped towards stream bank
		6	835	P. californicus still pregnant. Recap. Escaped under log @ station.
		6	0110	Perog. californicus, ♂, mature, nonbreeding. escaped towards stream
		7	0110	R. megalotis, ♂, mature, scrotal testes.
		16	0110	P. boylii ♂, mature, scrotal testes. Should have clipped this 0120.
		19	0120	R. megalotis, ♂, sub, nonbreeding. Size = my thumb
		19	0130	P. boylii, ♂, mature, nonbreeding. Bulge in tail close to base
		8	0100	R. megalotis. RECAP. Escaped under litter
		9	845	P. californicus, ♀, mature, perforate. Escaped to stream bank. Dark tail tip
		7	2649	P. californicus, ♂, mature, scrotal! Recapture. Testes were abdominal, but w a little pressure they became very evident.
		11	0100	P. maniculatus, ♀, mature, nulliparous.
		12	846	P. californicus, ♀, immature, nulliparous. Dark tail tip. Escaped towards adjacent willow
		13	0110	P. maniculatus, ♀, mature, pregnant.
		13	0140	P. boylii, ♀, mature, perforate. Aengus.
↓		14	0120	P. maniculatus ♂, mature, scrotal
X		14	2200	P. boylii, ♂, mature, nonbreeding, testes a bit swollen. Toe clipped 2200 – 2000 is front right foot.

Finished 0825h.

XII		1	848 (7)	P. truei, ♂, mature, scrotal testes.
		2		Didn't tag. N. fuscipes, mature.
		3	848	P. truei, ♂, mature, swollen intermediate testes.
		4	849	P. californicus, ♂, mature, nonbreeding. Dark tail tip. Right pinnae torn from top to base. Tagged left ear.
		4	876	P. californicus, ♀, early sub, nulliparous
		9	877	P. californicus, ♂, mature, testes swollen intermediately, but not scrotal White tail tip ~ 3mm
↓		9		Didn't Tag. N. fuscipes. subadult.
XII		10	878	P. truei, ♀, mature, vulva closed, parous.
XI		1		Didn't tag N. fuscipes, immature.
		3		Didn't tag E. merriami, mature (?). Released unhandled.
		4	0100	P. boylii, ♂, mature, nonbreeding. Escaped under log.
		5		Didn't tag N. fuscipes, mature } Both escaped uphill
		5		" " N. fuscipes, subadult }
↓		6	0100	P. californicus, ♀ sub, nulliparous. Tail tip (10mm) w/no hair at all; knobby like – bizarre! Escaped under tree
XI		10		Didn't tag. N. fuscipes subadult. Escaped uphill

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July 3 (cont) XIII 1 879 P. trivei, ♀, mature, perforate. Maybe parous
1 880 P. trivei, ♂, mature, nonbreeding. Escaped up into Live Oak
2 0100 P. boylii, ♂, mature, nonbreeding
2 0110 P. ~~trivei~~ boylii, ♂, immature, nonbreeding Not sure on id. } Identical looking
4 3 0120 P. boylii, ♂, immature, nonbreeding
4 0130 P. boylii, ♀, mature, vulva scabby, parous.
5 881 P. californicus, ♂, mature, nonbreeding. Dark tail tip } Both escaped to Neotoma midden to east of station.
5. 882 P. trivei, ♂ mature, nonbreeding
6. Didn't tag N. fuscipes, mature. Escaped to N.
7. 883 P. trivei, ♂ early mature, nonbreeding.
7 0140 P. boylii, ♀, immature, nonbreeding. Not sure on id similar to above immatures.
(Snake 1020)
8. 884 P. californicus, ♀ mature, vulva scabby, parous escaped to ~~w~~ east
8 0200 P. boylii, ♀, mature, early pregnancy.
9 885 P. trivei, ♀, mature, perforate, parous
4 [733] P. trivei, ♂, mature, scrotal testes. Mortality - found dead in trap
Finished 1035h. (Took ~2 hrs to check traps on the Arnold)
Last morning on this grid trapline

IX 0100 P. boylii RECAP
1. 0100 P. maniculatus RECAP
2. Didn't tag N. fuscipes, mature.
3. Didn't tag. P. californicus, ♂, mature, nonbreeding (testicles slightly swollen). Dark tail tip.
4. 838. P. californicus, vulva slightly perforate. RECAP
4. Didn't tag. N. fuscipes, immature
5 0120 P. boylii RECAP
5 Didn't tag. P. californicus, ♂, mature, nonbreeding (testes slightly swollen). Dark tail tip
6. 0240. P. boylii RECAP
6 Didn't tag. P. californicus, ♀, mature, vulva closed, parous. Dark tail tip
7. Didn't tag. P. boylii, ♀, mature, vulva closed, appeared nulliparous
8 0300 P. boylii RECAP
9. Didn't tag. N. fuscipes, mature. Lost patch of hair on back above shoulders & on rostrum.
10 0200 P. boylii RECAP

At 1020, I saw a Lampropeltis getulus (common kingsnake) ~~coiled~~ coiled around a Pituophis melanoleucus. (near station #7 on Trapline Kill) I attempted to pick up the Lampropeltis, but it became very aggressive and eventually ~~it~~ moved on (total length ≈ 60 cm, dark purple bands between creamy bands). I pulled the Pituophis free, it was about 30 cm long and its head was ripped behind its mouth, but its body ~~was still~~ musculature was still contracting. I left the Pituophis, and when I returned 10 min later the Lampropeltis had returned to the original kill site. I moved on so that it could find the Pituophis.

Max temp: 92 Min: 56

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July 3 (cont) Spent the rest of the afternoon picking up traps & resetting transects for one last night. A *N. fuscipes* was caught on Transect XI, station 2 – probably the same one caught at station 1 this A.M.

July 4 0538h. – Clear, slight breeze, and cool this morning (≅ mid 40s). Some fog in valleys. Overnight clear & calm. Moon is just a sliver.

Trapline	St.	No.	Spp
XII	10.	877	*P. californicus* RECAPTURE
	10.	878	*P. truei* RECAPTURE
	?	Didn't tag	*N. fuscipes* subadult.
	8	886	*P. californicus*, ♀, mature, parous, vulva mike moderate parous, Dark tail tip
	8	887	*P. truei*, ♂, mature, non breeding
	6	848	*P. truei* Recapture
	4	876	*P. californicus* RECAPTURE
	4	888	*P. californicus*, ♀, mature, slightly perforate, parous, dark tail tip
			876 & 888 caught in same trap
	3	889.	*P. truei*, ♀, mature, perforate, parous
	2	890	*P. truei*, ♀, mature, crusty vulva, parous.
	1.	891	*P. californicus*, ♀, mature, crusty vulva, appears nulliparous. Dark tail tip
XI	1	Didn't tag	*N. fuscipes* immature
	5	"	" subadult
	5	"	" immature
	6	0100	*P. californicus*, subadult. RECAPTURE
	6	Didn't tag	*P. californicus*, ♂, mature, non breeding. Dark tail tip, last 10mm from end tail is hairless for 2-3mm. Looks like tip was lost, also.
	7.	Didn't tag.	*P. boylii*, ♀, mature, non breeding, nulliparous. Escaped in direction of ravine
	9.	Didn't tag.	*P. boylii*, ♂, mature, non breeding.
	9.	" "	*N. fuscipes*. subadult
	10	" "	*N. fuscipes* subadult. Escaped up adjacent Bay tree.
XIII	10	0100	*Perog. californicus* ♀, mature, non breeding, parous
	9	885	*P. truei* Recapture
	9	Didn't tag	*N. fuscipes*, subadult
	8	0200	*P. boylii*, not pregnant. RECAP
	8	893	*P. truei*, ♂, late subadult, non breeding
	7	883	*P. truei*. RECAP
	7	884	*P. californicus*, vulva crusty. RECAP
	6	01000	*Scelopus occidentalis*, ♀, young(?) s-v length ≅ ~~3~~ 10 cm
	5	0140	*P. boylii* RECAP } Both escaped to Neotoma midden east
	5	881	*P. californicus* RECAP } of station. Still unsure of 0140 spp

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July 4 (cont)

Trapline	St.	No	Spp	
XIII	4	0100	P. boylii	RECAPTURE
	4	0140	P. boylii	RECAPTURE
	3	882	P. truei	RECAP
	3	0100	R. negalotis, ♂, mature, scrotal testes.	
	2	0120	P. boylii, immature RECAP	
	2	0110	P. boylii, immature RECAP	
	1	894	P. truei, ♂, mature, testes swollen but not scrotal.	
XIII	1	880	P. truei RECAPTURE	

X	1	892	P. californicus, ♀ mature, vulva crusty, parous. Dark tail tip. Escaped towards stream.	
	2	0200	P. boylii, ♀, mature, vulva closed, parous	
	3	2647	P. californicus, RECAP. Escaped towards stream	
	5♀	2648	P. californicus RECAP	Both escaped towards stream.
	5♀	2649	P. californicus RECAP	
	6	0110	P. boylii RECAP	
	6	835	P. californicus, still pregnant, RECAP. Escaped towards stream	
	17	0230	P. boylii, ♀, mature, crusty vulva, parous	
	18	0130	P. maniculatus, ♀, mature, pregnant (palpable).	
	19	0130	P. boylii RECAP	
	8	0240	P. boylii, ♂, immature, nonbreeding. Tiny - size of my thumb.	
	9	0140	P. maniculatus, ♂, mature, nonbreeding.	
	10	0200	P. maniculatus, ♂, mature, testes swollen but not scrotal.	
	11	0120	P. maniculatus RECAP	
	11	0120	Perog. californicus, ♂, mature, nonbreeding	
	12	2200	P. boylii Recapture.	
	13	0110	P. maniculatus Recap	
	13	0100	Mic. californicus, ♀, sub(?), nonbreeding	
	14	846	P. californicus RECAPTURE	
	14	0140	P. boylii RECAPTURE	
X	15	0300	P. boylii, ♂, mature, nonbreeding.	

I picked up all traps & headed back for Berkeley at 0940h. Successful week! Over 1800 trap nights total

July 12 Russell Reservation, Contra Costa Co., CA. (Frank Determan is director)

I was out today to set traps with Bill Lidicker for P. californicus. Bill has done alot of work w/ M. californicus here, so it was good to have him along to acquaint me with the Reservation. The reservation is surrounded on all sides by high ridges - Habitats include grassland, oak woodlands, hard-dry chaparral on south facing slopes (Adenostoma spp), & softer chaparral on north

Russell Reservation, Contra Costa Co., CA

July 12 (cont) facing slopes (Baccharis spp), and various combinations of chaparral & woodland mix. The valley floor consists of pine trees planted for genetic studies. Today was clear and warm (upper 80's) with a slight breeze.

We set up 5 transects (traplines), 10 stations at each, 2 traps/station, 10-15m between stations, baited w/ rolled oats.

Transect I - 300m NNW of the observatory. Bay-Oak woodland bordered by grassland and soft chaparral. Slope faces to the southwest. Not much ground cover vegetation and fairly xeric. Found a few Neotoma middens plus scat.

Transect II - Starts at east end of valley road and heads up north on south facing arroyo. Chaparral dominated by Baccharis and Salvia spp., with one Quercus. The transect runs up for 8 stations and #9 & 10 are at the bottom.

Transect III - start at east end of valley road and continues east up the arroyo. Oak-Bay woodland w/ dense floor cover of Ribes, poison oak and blackberry. Very mesic. Traps run up the arroyo for 8 stations and cuts back to the southwest along the arroyo slope.

Transect IV - Starts ~0.4 mi east of office on south side of valley floor in chaparral oak woodland. Runs along the edge of the chaparral-pine edge (1-4) and then goes up into the chaparral. The chaparral is very dense with Baccharis, some bay trees, poison oak, and wild rose.

Transect V - starts same place as IV, but runs up through chaparral to grassland-chaparral edge & follows along edge the last 5 stations.

Finished setting traps by 1700h (Pacific daylight savings time)

RIBBLE, D.O. 1986

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July 13 Arrived this morning at 0615 (d.s.t). It's foggy, calm, and mid 60's

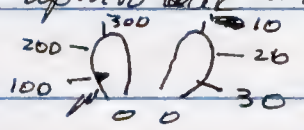
Trapline St. No. Spp. Sex, Age, Breeding

I 1 601 P. truei, ♂, mature, testes scrotal (just barely). Escaped up into adjacent live oak.

1 602 P. truei, ♀, mature, closed vulva, parous. " " " oak.

2 603 P. truei, ♂, early mature (head gray). Testes scrotal (barely). Escaped up into Ribes.

6 0100 P. truei, ♂, early mature (head gray). Testes scrotal (barely). Escaped up into oak - Ear notched (having problems w/ tags)



6 0110 P. truei, ♀, immature, nulliparous. Ear notched. Escaped up into same oak as 0100.

8 Adult tag N. fuscipes, ♀, mature, vulva scabby, appears nulliparous. Tail has crook ~20mm from tip. Escaped down hill to NW.

I 9 0120 P. truei, ♂, mature, scrotal testes. Escaped up into hole in Bay tree at station.

II 10 no tag N. fuscipes, ♀, subadult (mostly gray), vulva perforate, nulliparous. Escaped up hill into chaparral.

1 no tag. N. fuscipes, subadult. Escaped up hill to east.

3 0100 P. truei, ♂, early mature (head gray), non breeding. Ear-notched

3 0110 P. truei, ♂, mature, testes swollen but not scrotal.

4 0120 P. truei, ♂, mature, non breeding. Escaped into hole on ground under litter.

6 898 P. truei, ♂, mature, scrotal testes. Tag already - must be from D. Wagner. Escaped NE, up hill

II 9. No tag. N. fuscipes, mature. Escaped down arroyo.

III 1 0100 P. truei, ♀, mature, vulva perforate, parous.

3 0110 P. truei, ♂, mature, scrotal testes. Escaped into hole in side of slope.

5. 0120 P. truei, ♀, early subadult, nulliparous. Escaped under log on ground

5. 0130 P. truei, ♀, subadult, nulliparous.

7 0200 P. truei, ♀, subadult, nulliparous } Both escaped to the S.

7 0210 P. truei, ♂, mature, scrotal testes }

Might have clipped 0230 by mistake

8 0220 P. truei, ♂, mature, scrotal testes. "Stubby" feet & limbs.

8 0230 P. truei, ♀, mature, vulva closed. Appears nulliparous

9 0300 P. truei, ♀, immature, nulliparous. Tiny ~10g.

III 10 0310 P. truei, ♀, mature, pregnant (palpable). Escaped into hole in ground at base of live oak

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July 13 (con't) V 2 0100 P. truei, ♀, subadult, nulliparous

3 no trap. N. fuscipes, mature. Large animal, golden brown. Escaped to W.

4 0300 P. truei, ♂, mature, ♯'s swollen intermediately, non scrotal. Ear had natural notch for 0300.

6 0110 P. truei, ♂, immature, non breeding. Escaped to W, down hill.

7 0120 P. truei, ♂, immature, non breeding. Tiny ~10g. Escaped down hole N of trap.

7 0130 P. truei, ♀, mature, probably early pregnancy, vulva closed.

8 0200 P. truei, ♀, mature, vulva closed, parous.

V 10 0210 P. truei, ♂, immature, non breeding. Escaped W. down slope

IV 8 0230 P. truei, ♂, mature, ~~testes~~ inter. swollen, non-scrotal. has notch (natural) at top of right ear.

6 0220 P. truei, ♂, immature, non breeding.

7 0300 P. truei, ♀, early mature, nulliparous, vulva closed.

Collected bobcat scat on Trapline II, between #6 & 7, in grass land.

Finished checking traps by 0900h. The sun began to burn off the fog @ 0830, mostly gone by 0900h.

Returned at 1630h to reset traps. Cooler than yesterday (low 80's), partly cloudy (clouds on west horizon from Bay). Saw a V. vulpes (Red Fox) on the road ~~by~~ Ft above the observatories at 1745h. It ran under an oak before I could get my binoculars. Finished resetting all traps by 1815h and headed home.

July 14 Arrived at Russell this morning at 0600h. It's foggy (particularly on ridges), calm, and cool (mid 50's). Saw a Urocyon cinereoargenteus on the north side of the road, ~1/8 mi east of NQ, amongst the pines. Watched it for about 10 min as it rambled east. Seemed more concerned with me than anything else. Probably a ♂, because when it sat down facing me, no nipples were obvious, and a swelling mid-lower belly was evident. Dark tail tip held horizontal when moving

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July 14 (cont)

Trapline	St. No.	Spp.	
I	1	6002	P. truei - RECAPTURE
	1	6003	P. truei RECAPTURE
	3	0210	P. truei, ♂, mature, scrotal testes. I didn't notch the ears, natural occurance of this no. The 10 notch is relatively indistinct. Has white patch on top of tail ≈ 15 mm from base
	6	0110	P. truei, immature. RECAPTURE
	7	No tag.	N. fuscipes, mature. Escaped NW down hill side
I	8	No tag	N. fuscipes, subadult. " " " "
II	10	899	P. californicus, ♂, ~~mature~~ late subadult, testes swollen some but non-scrotal - Escaped ⊠ up slope to NW.
	1	0100	P. truei, ♀, mature, closed vulva, parous.
	1	No tag.	N. fuscipes, subadult.
	2	0320	P. truei, ♂, mature, scrotal testes (barely so)
	3	0110	P. truei RECAPTURE
	4	No tag.	N. fuscipes, subadult (mostly gray)
	5	0330	P. truei, ♂, early mature, non breeding (no testes detectable
	7	898	P. truei ♂, barely scrotal - RECAPTURE
II	9	0120	P. truei RECAPTURE
III	1	0100	P. truei RECAPTURE (perforate intermediate)
	3	0320	P. truei, ♀, ~~late~~ subadult, nulliparous
	4	0110	P. truei RECAPTURE
	5	0120	P. truei RECAP
	5	0130	P. truei RECAP
	7	896	P. californicus, ♀, mature, vulva perforate, parous. Tail tip bedecorated by white hairs from ventral side of tail, and no dorsal white color. Escaped to north to bottom of creek bed
	7	0220	P. truei RECAP. barely scrotal condition
	8	0200	P. truei RECAP.
	8	0330	P. truei, ♀, mature, closed vulva, parous, may be early pregnancy (?)
	9	0320	P. truei, ♂, mature, barely scrotal testes. No 20 of left ear was natural and more of a block than notch
	10	230	P. truei, ♂, scrotal - RECAP
III	10	310	P. truei Pregnant - RECAP

Contra Costa
Russell Reservation, ~~Monterey Co.~~, Calif

July 14 (cont)

V 1 0300 P. truei, ♂, mature, testes inter. swollen but not scrotal. Ear not clipped naturally.
2 0100 P. truei RECAP
2 No tag. N. fuscipes, immature. Escaped to SW up slope.
4 No tag P. truei, ♂, mature, testes very soft, non-scrotal.
5. No tag. P. truei, ♂, mature, non breeding. H.F.L ≈ 26, but tail stripe distinct and ventral side of tail very white
6. 0110. P. truei, immature. RECAP.
7 0200 P. truei
~~7~~ 8 0010 P. truei, ♂, mature, scrotal. Natural notch on Left ear (!?)
V 10 No tag. P. truei, ♂, immature, non breeding.

IV 10 0130 P. truei RECAP.
8 0230 P. truei, scrotal. RECAP.
7. [734] Bewick's WREN - Trap Mortality - Animal was barely alive when I got to trap. Tried to warm it up in my pocket (breast), but no luck.
5. No tag. P. truei, ♀, mature, mid-pregnancy.
2. No tag. P. truei, ♂, early subadult, non breeding
IV 1 No tag. N. fuscipes. immature. Escaped to midden SW of station.

Finished checking all traps by 0900h. The sun burned the fog off around 0830, but clouds were still evident on the western horizon.

Hastings Natural History Reservation, Monterey Co., CA.

July 24 Arrived at Hastings around 1300h (daylight savings time PT) today. I will be here until July 27 - short trip. My objectives this trip are to monitor Grid MC-1 and trap again in Robertson Canyon and West Ravine. Set out ~~traps~~ and baited traps on MC-1 between 1500 and 1800 hrs. Everything appears the same as before, except the creek has no running water at all. Some of the bay trees appear to be loosing leaves, too.
Set out 20 traps on Transect I (see Journal July 1) at 1630hrs. Set 2 traps/station at stations 1-10 only. At station #1, a large (~1.5m dbh) oak had broken about 3m from the ground and fell to the ground. Maybe due to wind? The inside of the base was hollow & blackened inside.

Hastings Reservation, Monterey Co., CA.

July 24. Today was very pleasant, weather-wise. Low 80's, partly cloudy (~cumulus), and a slight breeze (up to 10mph). The sun is setting around 2015h (daylight savings time), and it is dark by 2100h. Official Max = 84; Min = 53 (Trace of rain this morning)

July 25 Started on the grid at 0520h, still too dark to work w/out flashlight. This morning it is clear, calm, upper 50's. The moon is 5/8 full and rose around 0200hrs. very bright. There was some fog (clouds) on the valley floors overnight. It finally got light enough to see at 0550h. Around 0630 the fog rolled into Madrone Canyon and eventually lifted to form overcast skies. Finished checking all traps by 0900, and returned to dust the following females I left in traps:

1979 ♀ - Lime Green - Retagged her left ear #895 since right tag is coming off. I used the shake & bake approach which worked well since there wasn't much powder in the bag. She was very slow to escape, seemed stunned.

1991 ♀ - Orange - held her by the neck & dusted from her shoulders posterior while holding her in bag. Worked well. She escaped to a hole 2m west of station

7916 ♀ - Dark green - same method as 1991. She escaped under rock in down (North) slope from trap station.

1934 ♀ - Red - same method as above. She escaped to the east towards station # 8,13.

Summary of Capture Results on MC-1 (see GRID DATA for complete results

P. californicus: 23 total captures; all recaptures (15♂: 8♀)

P. boylii: 28 total captures (17♂: 11♀), 3 new animals (2♂: 1♀). One with lost ear tag - not included in new animals

P. truei: 6 total captures; all recaptures (4♂: 2♀)

N. fuscipes 12 total captures; 9 recaptures (3♂, 6♀); 3 w/out tags

Microtus californicus - 1 recapture (♀)

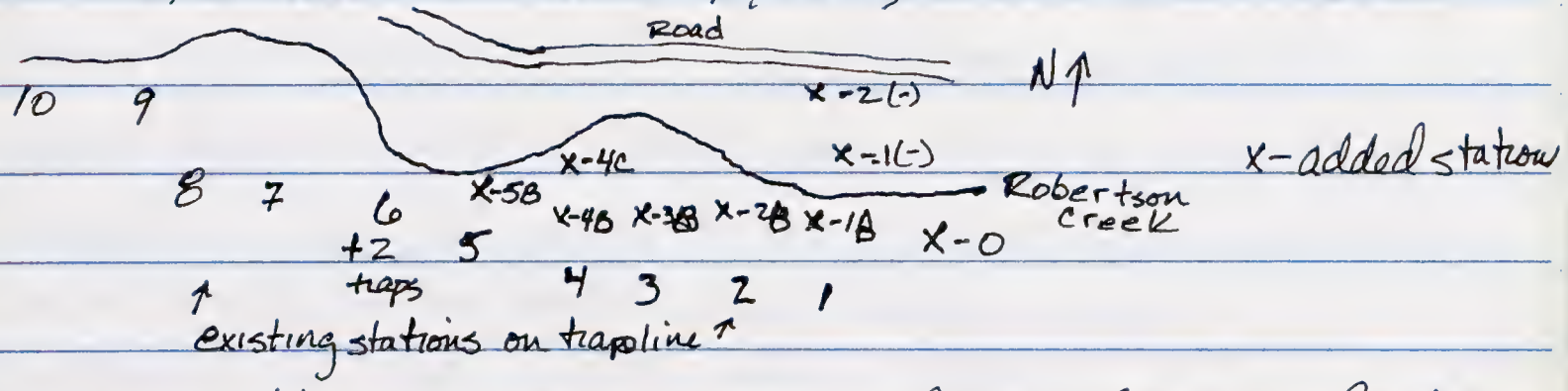
Total Captures = 70 animals

Hastings Reservation, Monterey County, CA.

	Trapline	St.	No.	Spp.	
July 25 (cont)	X	1	0310	P. boylii	♀, mature, pregnant, 34g. One of her right mammae was torn from skin.
		2	0130	Perognathus californicus	23g, ♂, mature, nonbreeding
		2	0320	P. boylii	20.5g, ♂, mature, nonbreeding
		3	848	P. californicus	31.5g, ♂, mature (scrotal), nonbreeding. RECAPTURE
		4	845	P. californicus	39g, ♀, mature, nonbreeding, parous. RECAP
		5	2648	P. californicus	39g, ♂, mature, nonbreeding
		5.	[735]	Sorex trowbridgii	5.2g, 97-47-13-, ♀? TRAP MORTALITY.
		6	835	P. californicus	45g, ♀, mature, nonperforate, parous. Very large mammae. Dusted her w/ Red Powder at 1030h. Escaped under adjacent live oak
		6	0330	P. boylii	22g, ♂, mature, nonbreeding
		8	0240	P. boylii	14g, ♂, immature, nonbreeding. RECAPTURE.
		9	2649	P. californicus	45g, ♂, mature, nonbreeding. RECAPTURE.
		9	0480	P. boylii	26g, ♂, mature, nonbreeding.
		10	0410	P. boylii	24g, ♀, mature, nonbreeding, parous.

Finished checking Trapline X by 1100h.

At the P.M., I added 10 stations (2 traps/station) to transect X as follows:



Finished resetting traps on MC-1 by 1700hrs. Recaptured #1972 P. californicus at station 10,9 (Didn't enter in grid data) Also caught a S. beecheyi @ 5,5; #750 M. californicus at 9,8 (did enter these) Today has been clear, breezy (~10 mph), and nice (low 80's).

2235h (PST - daylight savings time) - Out for nighttime check. I will attempt to check traps twice tonight - now & later. It's calm, partially overcast, and lower 60's.

2315h - Redusted #1991 w/ Orange, Station 9,7. Could see a lot of 1991's trail to the west of the station. Can't be sure on exact timing, but much more resolution than before. Probably due to better light & timing. Dust 2m up in oak tree

Hastings Reservation, Monterey Co., Calif.

July 25 (con't) 2340 - ~~[redacted]~~ 762 - ♂ 10,6 - covered w/ Dark Green Powder, limbs, ears, tail, mouth. Escaped up slope.

Official Max = 81; Min = 48

July 26. 0050 - #740, ♂, (9,8) - orange (fresh) on limbs, ears, but not mouth

0110 - #1935 ♂ (8,13) - red on limbs, mouth, ears, tail.

0115 - Redusted #1934 - red at station 8,13. Followed her down to the stream bank before I lost the trail - Didn't look very hard due to time.

Finished the first round of checking traps @ 0150h (PST - daylight) The moon is rising to the east.

0315h - back for more fun. The skies are overcast and the moon is visible (> ½ full) but not very bright

0350 - Redusted #796, ♀, at 10,6.

0455 - #1935 ♂ (8,13) - red on limbs, mouth, ears, tail

Finished the grid by 0515hrs. Note the lack of captures on the last half of the grid (as in the order I check traps). Perhaps the timing coincides when animal activity dies down. Didn't redust animals a second time. Although the option was available for future reference. Summary of results (see GRID DATA for complete results): EARLY CAPTURE PERIOD:

P. californicus:	22	total captures, all recaptures (13♂:9♀)
P boylii :	25	total captures (15♂:10♀), ~~24~~ recaptures, 1 new (♀)
P. truei :	5	total captures (2♂:3♀), 1 new (♀)
N. fuscipes :	12	total captures, 10 previously tagged (4♂:6♀)
M. californicus:	1	recapture ♂
	65	TOTAL CAPTURES

LATE CAPTURE PERIOD:

P. californicus:	12	total captures; all recaptures (6♂:6♀)
P. boylii :	16	" " " " (9♂:7♀)
* P. truei :	7	" " " " (1♂:6♀)
N. fuscipes:	8	" "; 6 tagged animals (3♂:3♀)
M. californicus:	1	recapture (♂)
	44	total captures

* Some suggestion that P. truei is out later in the night, particularly the females.

Hastings Reservation, Monterey Co., Calif.

July 26 (cont)

Trapline	St.	No.	Spp.	
X	-2	no tag	N. fuscipes, mature.	
	-2	0420	P. boylii, ♂, mature, nonbreeding, 23g.	
	-1	0100	P. californicus, ♂, mature (early), nonbreeding. 30g. Ear-clipped	
	0	0430	P. boylii, ♂, mature, nonbreeding, 24g.	
	0	No tag	N. fuscipes, mature.	
	1	0310	P. boylii RECAP.	
	2	0320	P. boylii RECAP.	
	2B	0110	P. californicus, ♀, mature, perforate, pregnant, 37.5g - Ear-clipped 2 palpable fetuses	
	2B	0120	P. californicus, ♀, early mature, scabby vulva, looks nulliparous 31g. Ear-clipped	
	3B	0130	P. californicus, ♀, immature (all gray), nulliparous 21g.	
	3B	0100	M. californicus, 39g, ♀, mature, nonbreeding. Toe-clipped	
	3C	845	P. californicus, 31g, scabby vulva. RECAP	
	3	2648	P. californicus, RECAP.	
	3	0440	P. boylii, ♂, mature, nonbreeding.	1000→1111 m
	4	01000	P. boylii, ♂, subadult, nonbreeding	M M
	5B	2649	P. californicus, ♂, nonbreeding. RECAP	
	5B	848	P. californicus, ♂, subadult, 31g, nonbreeding RECAP	
	5	01100	P. boylii, ♀, early mature, appears nulliparous	
	6	0230	P. boylii RECAP.	
	6.5	835	P. californicus RECAP. Escaped toward stream.	
	8	0240	P. boylii RECAP.	
	9	0200	P. californicus, ♀, subadult, nulliparous. Escaped toward stream bank.	
X	10	01200	P. boylii, ♂, subadult, nonbreeding	

848 is corrected

Finished checking these traps by 0700h. Returned for some sleep!

In the afternoon, I reset traps on Trapline X & MC-1 - finished by 1730h.

Official Max = 78; Min = 47

July 27 Tonight I will check trapline X first and then proceed to the grid - it's clear & calm, looks good, and the moon is barely 1/2.

Time	Trapline	St.	No.	Spp	
0125	X	10	0410	P. boylii, 25g, parous Recapture.	
0135		9	0400	P. boylii RECAP	
0140		6.5	0200	P. californicus, ♀, immature, nulliparous, 10.5g - Covered w/ Red Pigment - mouth, ears, hands, tail. Ear clipped	offspring
0150		6	01100	P. boylii RECAP	
		6	835	P. californicus RECAP - Still has some pigment	mother
0155		5	0430	P. boylii	RECAP's.
		5	0330	P. boylii	
0200		5B	2649	P. californicus, RECAP. Has Red Pigment on ears & nose.	father
0200		4	0440	P. boylii RECAP	

Hastings Reservation, Monterey Co., Calif.

July 27 (con't) 0210 X 4B 0210 P. californicus, ♂, subadult, nonbreeding. 35g.

0210 3 845, 2648 } P. californicus, RECAPTURE

3C 01200 P. boylii, ♂, mature, testes swollen but not scrotal (New)

3C 0100 P. californicus, immature. RECAPTURE. (Nicotine?)

0220 3B 0120 P. californicus - Recapture

2B 0320 P. boylii } RECAPS

0225 2B 0110 P. californicus }

0230 2 848 P. californicus RECAP

2 0220 P. californicus, ♂, immature, nonbreeding, 17g

0235 1B 01300 P. boylii, ♀, early mature, nulliparous.

1B No tag N. fuscipes, immature

0245 0 0430 P. boylii Recap

0 No tag N. fuscipes mature

0250 -1 0100 P. californicus RECAP

-1 0020 P. californicus, ♀, mature, nonbreeding, seems nulliparous. 36g

Used natural blocks in ear: (?) hole beneath

-2 0420 P. boylii RECAP

Finally arrived to the grid MC-1 @ 0325h (after dealing w/ flashlight problems). It's still clear and the moon is quite bright.

0400 - #489 ♀ at 10,6 w/ dark green on limbs, tail, & ears - some on mouth. Escaped uphill from station (south)

#762 ♂ at 10,6 w/ dark green on limbs, ears, & mouth

0425 #740 ♂ at 10,8 w/ orange on ears, limbs, mouth

0425 #739 ♂ at 10,8 w/ Orange barely on mouth & ears. Either it is old or the animal barely came into contact w/ the dust

0515 - D. virginianus - near station 5,9

Caught a live Sorex ~~?~~ trowbridgii The nose is interesting. Finished checking traps at 0600 & began to haul them in - It is clear this morning w/ no fog, really beautiful Official Min this Morning = 45°F. On the way back to Berkeley, I picked up a road kill D. virginianus (#738 see CATALOG)

Christmas Tree Canyon, 3.5mi N., 2.1m. E of Mora, Mora Co., N.M.

August 3 At my parent's cabin for R & R. Habitat around cabin is dominated by Ponderosa Pine w/some Gambel Oak understory. Around 0100hr (Rocky Mt-DST) I caught a Phrynosoma douglassi, S-V length = 60mm. It was lying still in a sandy area near scattered rocks. Probably a male - has postanal scales. Elevation 7600ft. Temperature mid 70s. (Eventually gave it to Kevin DeQueiroz)

Hastings Natural History Reservation, Monterey Co., CA.

August 18 Arrived around 1400h this afternoon. Will be here until the 24th August. I plan on trapping grid MC-1 (Madrone Canyon) and setting up a grid in Robertson Creek on Trapline X. Pam Williams helped me set traps on MC-1 this afternoon. We only set 2 traps per station instead of 3. Finished by 1900hrs. Today was quite warm (mid 90's), calm and clear.

August 19 Arrived on the grid (MC-1) at 0600hrs, just barely enough light to see. The moon is close to full and was up all night. Temperature low 70's, calm, and partly cloudy. Finished checking all traps by 0730h, and went back to dust the following animals:

#1952, ♂ (station 9,7) - DARK GREEN. He escaped to a hole under a bay tree, ~2m west of the station.

#773, ♂ (station 9,12) - ORANGE. He escaped to a Neotoma nest south of the station

#1931, ♀ (station 8,8) - RED. She escaped under logs 1m east of the station.

#1953 ♂ (station 7,9) - LIME GREEN. Escaped down to the stream bottom, and 2m down stream to a hole in the bank.

Hastings Reservation, Monterey Co., CA.

August 19 (cont.) Summary of Capture Results:

P. californicus: 12 total captures (8♂:4♀), 1 new animal (♂)

P. boylii: 14 total captures (6♂:8♀), 1 new animal (♂)

P. truei 4 total captures (1♂:3♀)

Peromyscus californicus 1 ♂

M. californicus 1 ♂

N. fuscipes 3 captures (≈1♂:2♀)

Total captures = 35

Perhaps low capture success is due to heat & moonlight. Also, caught Peromyscus at stations previously dominated by Neotoma. The clouds burned off by noon ~~PM~~, except for a few high scattered clouds. Today was cooler than yesterday (high 80's).

Hi - 95°
Lo - 57

In the afternoon, I set out stations ~~for~~ for a grid in Robertson Creek on Trapline X. The going was slow because I had to cut transects through the poison oak. I was able to finish 20 stations and I set 2 traps at each station to begin monitoring this grid. Designate this grid RC-1. ~~See~~ See map of grid below.

Finished resetting traps on MC-1 around 1800hrs

Aug. 20 0010h (PST - daylight savings) - Out for night checks on MC-1. The moon is full (rose around 2300hrs), and it's warm (mid 70's).

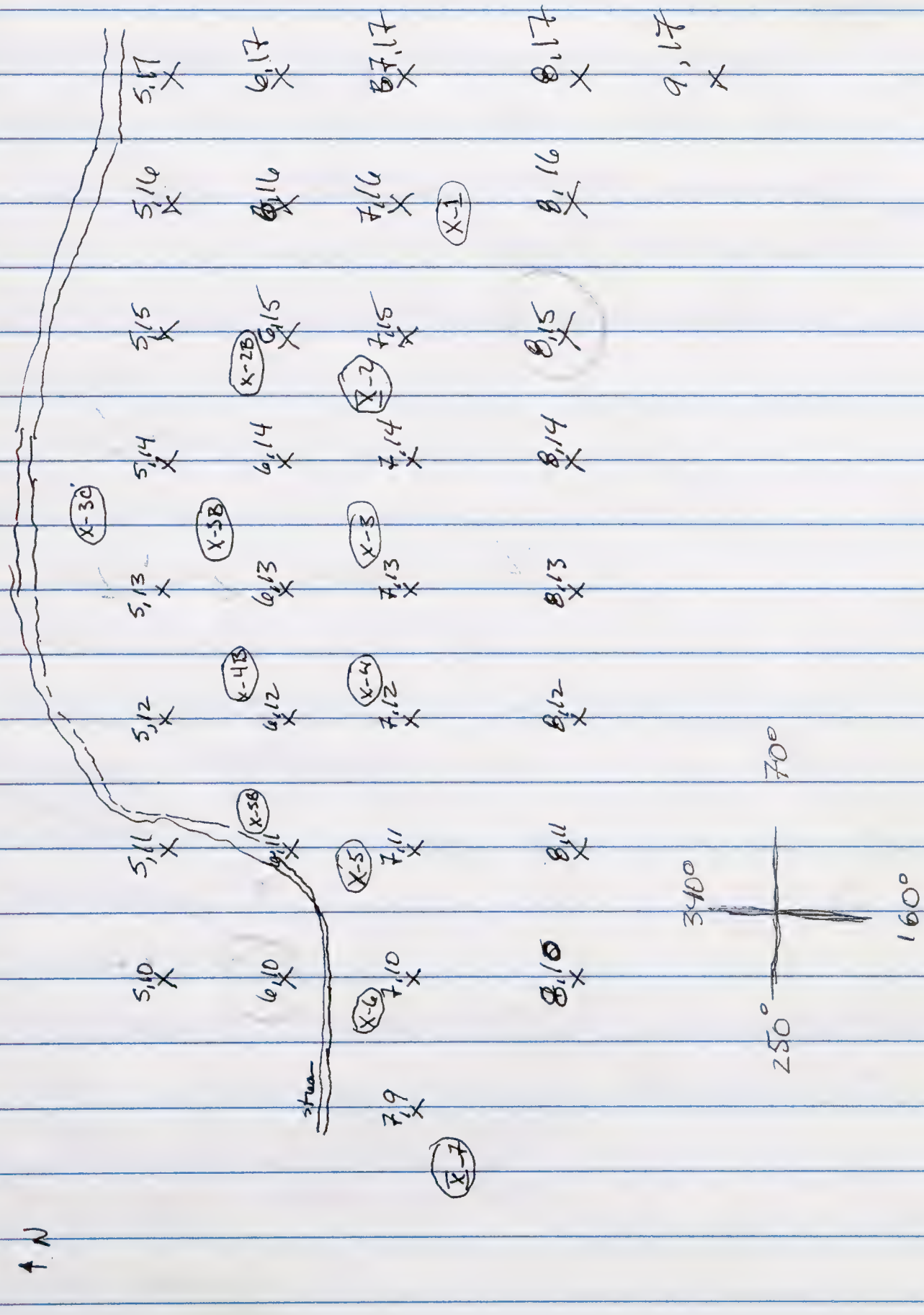
0025h - 1929 ♀ (st 9,7) - Dark green on tail, feet, tail, & some on mouth & ears - Not much pigment, but definitely contacted

0040h - 7602 ♂ (st 10,6) - Dark green on tail, ears, penis, & balls. Definite recent contact. Also, some orange on hind feet.

August 19 (cont)

Hastings Natural History Reservation, Monterey Co., CA.

MAP OF GRID RC-1.



Hastings Reservation, Monterey Co., CA.

Aug 20 (cont) 0125h - #1953 (st 7,9) - redusted w/ lime green.

Finished checking traps on MC-1 by 0200hrs.

0400hrs - back to check traps again. Some high clouds, but still very bright.

0420hrs - Redusted #1931 w/ Red at st. 9,7. I was able to follow her to her "nest" site which is ~5m directly below the station. Need to flag this. Alot of pigment around site, with 2 obvious entrances.

Finished checking traps at 0510hrs & proceeded to RC-1 grid. Began checking traps @ 0540hrs. Finished checking traps by 0630hrs.

Summary of Capture Results: - EARLY CHECK (MC-1)

P. californicus: 10 captures (4♂:6♀), no new animals

P. boylii: 12 captures (3♂:9♀), 1 new animal (♀)

P. truei: 6 captures (2♂:4♀), no new animals

N. fuscipes: 2 captures (1♂:1♀)

Total captures = 30

LATE CHECK. (MC-1)

P. californicus: 7 captures (3♂:4♀)

P. boylii: 5 captures (2♂:3♀)

P. truei: 2 captures (1♂:1♀)

N. fuscipes: 1 capture (♀)

M. californicus: 1 (♂)

E. megalotis 1 (♀)

Total captures: 17

Summary for RC-1:

P. californicus: 7 captures (4♂:3♀), 1 new animal (♀)

P. boylii: 6 captures (5♂, 1♀), 1 new animal (♂)

N. fuscipes: 2 captures (1♀); 1 untagged

Perognathus californicus: 1 capture (♂)

P. maniculatus 1 new animal (♂)

Total captures = 17

Hastings Reservation, Monterey Co., CA.

August 20 It sprinkled lightly this morning and remained partly cloudy and muggy (humid) most of the day. I added two more columns (stations 5,15-8,15, & ~~5,16~~ 5,16-8,16) to grid RC-1, and finished setting traps at 1800 hrs. Finished resetting traps on MC-1 around 1900 hrs. High this afternoon in mid 80s. [Hi = 95 Low 61 trace Rain]

August 21 Clear & calm overnight; moon very bright. Started checking traps on MC-1 at 0480h (PST, daylight saving time). It is considerably cooler tonight (upper 60s) and no clouds

0510 - #757 ♀ (7,9) - Lime green on limbs, feet, tail, & mouth. Very faint, but definitely glows in dark as this color does.

Finished checking traps by 0550 & started on RC-1 at 0615 hrs

0630 - Caught a ~~garter~~ Masticophis lateralis snake at station 6,16. It's head was out of the trap and posterior 2/3 of body in trap. Seemed relatively unharmed. Dark green w/ 2 cream stripes along its sides. Ventral side whitish w/ black spots, tail underside rosey colored. Total length about 0.5 m.

0650h - Dusted #610 (station 8,15) with RED. Watched her for ~5 min, she was very sluggish, but eventually escaped to the trunk of the recently fallen oak 3m east of station

0715h - Dusted #835 (station 5,11) with ORANGE. She escaped to the east under steam vegetation

0800h - Dusted #606 (6,13) with ~~GREEN~~. He escaped east under blackberries

Finished checking grid RC-1 by 0800 hrs.

SUMMARY (MC-1)

P. californicus: 9 captures (4♂:5♀)

P. boylii: 16 captures (6♂:10♀); 1 new animal (♀)

P. truei: 3 captures (1♂:2♀)

N. fuscipes: 5 captures (1♂:4♀)

Total captures = 33

Hastings Reservation, Monterey Co., CA.

Aug 21 (cont) Summary of RC-1

P. californicus : 10 captures (4 ♂♂ : 6 ♀♀)

P. boylii : 9 captures (5 ♂♂ : 4 ♀♀) 2 new animals (2 ♀♀)

P. maniculatus : 1 capture (♂)

N. fuscipes : 2 captures (1 ♂, 1 untagged)

S. townbridgii 1 capture (sex ?)

Total captures : 23

Spent the afternoon adding a column (5,17 - 9,17) plus station 5,11 to RC-1. Finished resetting traps at ~~0~~ 1800 hrs. Found a M. californicus dead at station 6,14, #0100 toe-clipped, (# 742 - see Catalog.) - finished resetting traps on MC-1 at 1815 hrs. Today was warm (low 90's) with no clouds.

Finished the afternoon by setting 14 traps for animals to take back for Mammalogy Class. I set 6 traps around the upper shed, 2 on the creek by the Bunk House, and 6 behind the Red House on the Chamise.

[Hi = 88 Lo = 50 (Trace Rain)]

Aug 22 0200 hr (PST - Daylight savings time) - Out for night time check on RC-1. It is clear, ~~cool~~ cool (low 70's), with no clouds. As with other nights the moon is very bright. I can hear a G. H. Owl to the east

0215 hr - #6150 ♂ (9,17) - red pigment on limbs, mouth, ears, tail, penis. Not much, but definite contact.

0230 - #26480 ♂ (5,17) - green on limbs, belly, penis, tail, mouth & ears Definite contact.

0240 - trap missing at 5,16. Undoubtedly a Neotoma w/ tail caught. Jesse seems to be on trail to the west, southwest. I'll look for it later.

0245 - Same thing at 5,15

Hastings Reservation, Monterey Co., Ca.

Aug. 22 (con't) 0300 - I could follow 806's green pigment trail up to 5m to the east from station 5,13. The "fancy" black light is definitely the key. The trail went under the vegetation (Rubes, poison oak, etc), ending at a downed log.

0315 - Reclosed #835 at 6,11

0325 - 2649 ♂ (5,10) - orange on limbs, mouth, ears, tail. Definite contact.

Finished checking traps at 0350hrs. on RC-1. Started on MC-1 at 0415hrs

0430h - 1929 ♀ (9,7) - ORANGE on limbs, mouth, ears, tail, lower ventral

0500h - 1934 ♀ (9,13) - slight traces of orange on tail's limbs. No definite contact

0540h - Whippoorwills? calling

Finished Checking MC-1 at 0615hrs. Started Checking RC-1 at 0630hrs

#609 (7,16) - appears to have RED on limbs, tail & ears. Fairly definite

#608 (5,14) - appears to have some Green on EARS

I found both missing traps near station 5,15 - interesting, because one of the traps did have a Neotoma inside (full of scats), and the door was covered with hairs that were held by some dried fluid (saliva or urine?). Maybe a bobcat?

Finished checking traps @ 0715. It is a clear, beautiful morning. Temp low 70's.

Summary of Capture Results on MC-1:

P. californicus: 15 captures (10♂, 5♀)

P. boylii: 17 captures (7♂, 10♀), 2 new animals (1♂:1♀)

P. truei: 7 captures (3♂:4♀)

N. fuscipes: 6 captures (1♂: 3♀: 2 untagged)

Perognathus californicus: 1♂

M. californicus: 1♂

Total captures = 47

Hastings Reservation, Monterey Co., CA.

Aug 22 (cont) Summary of Capture Results on RC-1 - EARLY RESULTS

P. californicus: 11 captures (5♂:6♀), 3 new animals (2♂, 1♀)

P. boylii : 7 captures (6♂:1♀)

N. fuscipes: 3 captures (1♂:2♀), 2 new animals (1♂:1♀)

Perognathus californicus: 1 ♂

P. maniculatus: 1 ♂

Total captures = 23

LATE RESULTS (post 0600h)

P. californicus: 4 captures (1♂:3♀)

P. boylii : 4 captures (3♂:2♀); 1 new (♀)

P. maniculatus: 1 ♂

Total captures = 9

Apparently most activity is prior to 0400hrs.

During the afternoon I picked up traps on RC-1, and set traplines for animals for mammalogy class. Traps were set in the following areas:

1) 10 traps in bunkhouse
2) 10 stations, 2 traps/station – Chaparral edge north of grid RC-1, Robertson Creek
3) " " – Riparian oak woodland, Robertson Creek, ~1/4 mi upstream from RC-1.
4) " " – Big Creek., 100m east of Rd-Crossing
5) " " – Arroyo south of Red House

[Ni = 94°
LO = 50°]

Total of 90 traps set.

2340hr – Out on grid RC-1 for night's trap checks. It's clear and cool (low 70's)

2345hr – 609 ♀ (9, 17). Red on limbs, tail, ears, & mouth. Definite contact.

Aug 23 0015 – # 615 ♂ (8, 15). With Red on scrotal area & hind limbs only – Not a definite contact. Left over from previous night

0020 – # 2648 (6, 13) – Green on limbs, tail, mouth and ears. Definite Contact

JOURNAL

Hastings Reservation, Monterey Co., CA.

Aug 23 (cont) 0030h - 2649 (6,11) - Orange only on mouths' ears? Left over from previous night

0045h - Released #835 w/ ORANGE (station 5,10)

Finished checking traps on RC-1 at 0110 hrs.

0440hrs - back on RC-1 for another check. The moon is overhead and about 3/4 full. It is cool (upper 60's) w/ a few scattered clouds

0510hs - finished checking traps on RC-1. On to traplines...

On the Robertson Creek Trapline, I caught #6116; this represents a 0.1 mi movement in 1 night! I entered this in Spp Accounts. The rest of the traplines were as expected, no startling results.

[Official Hi = 90 Low = 46]

Summary of Capture Results from RC-1: Early Check

P. californicus: 10 captures (4♂: 6♀)

P. boylii: 8 captures (5♂: 3♀)

P. maniculatus: 2 captures (2♂), 1 new (♂)

N. fuscipes: 2 captures (1♂: 1♀)

Perognathus californicus ~~4~~ captures (3♂: ~~1~~ 2♀), ~~3~~ new (2♂: ~~1~~ ♀)

Total Captures: 26

Late Check:

P. californicus: 6 captures (2♂: 4♀)

P. boylii: 9 captures (6♂: 3♀): 1 new (♂)

N. fuscipes: 2 new captures (2♀)

Perognathus californicus: 2 captures (1♂: 1♀); 1 new animal (♀)

M. californicus: 1 new animal (♀)

R. megalotis: 1 new animal (♀)

Total captures: 21

I picked up all traps this morning in preparation to leave.

Hastings Natural History Reservation, Monterey Co, Calif.

October 16 Arrived at Hastings around 1300h today. Will only be here through tomorrow to trap and bleed P. californicus on grids RC-1 & MC-1. Jenella Loye is along to provide the expertise on bleeding. It's partly cloudy, breezy, and quite cool this afternoon ± 70°. We set traps on RC-1, two traps per station at every station except 7,9 (Total 160 traps); and on grid MC-1 we set 2 traps/st on rows 7, 8, and 9 and 3 traps per station on row 10 (total 90 traps). The sun set around 1815 hrs (DST)

2050hs - began checking traps on RC-1

Station
7,17 #617 N. fuscipes, ♂, early mature, tagged left ear # 1000

7,16 #844 P. californicus, ♂, early mature, testes inter. swollen (very close), 41.5g. [Bleed]

6,16 #1001 P. californicus, ♀, mature, pregnant (2 young palpable), 47g, lost ear tag, retagged left ear, previously ear clipped #0120 (?), Bleed (probably was tagged # 6,10)

6,17 #615 P. californicus, ♂, mature, non breeding, 49g, no left ear!. [Bleed] I bled this animal It was a bit more traumatized & slower in recovery.

6,15. 0220 P. boylii, ♂, mature, non breeding, 22g. re-clipped toe # 0020.

6,14 0210 P. maniculatus, ♂, mature, non breeding. 20g " " " 0010

5,12 0320 P. boylii, ♂, mature, non breeding, 25g

5,12 2648 P. californicus, ♂, early mature, non breeding, 39g. [Bleed]

5,11 0100 Perog. californicus ♂, mature, non breeding. 29.g. Jane K collected a tick.

5,10 01300 P. boylii, ♂, mature, nb, 23g. Lost post. foot

6,11 2649 P. californicus ♂, mature, nb (66 scrotal), 45g. [BLEED]

6,11 8335 " " ♀, mature, perforate, parous, 48g (BLEED)

5,10 0200 Perog. californicus, ♀, mature, non, parous, 24g

8,12 0300 (W) Perog. californicus, ♂, mature, non, 22g

Finished by midnight.

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We finished spinning down the blood by 1230 A.M. The moon is full and it is lightly cloudy and cool ≥ 45°. We ended up using hemocrit tubes rather than the pipettes because their ends were too small. We took ~~on average~~ at least of 3 and sometimes 4 tubes from each animal.

October 7 Started on the grid (MC-1) at 0700 hrs, it began getting light at 0645h (DST). It's ~~clear~~ overcast ~~calm~~ windy, and cool (~45°C).

Station	ID #	animal
~~7,5~~	735	P. boylii ♂, mature, non, 23g.
7,7	1969	P. boylii, ♀, mature, non, parous, 24g
8,13	01100*	P. boylii, ♀ " " " 21g.
8,11	741	P. boylii ♀, mature, non, nulliparous. 23g
8,8	1953	P. californicus, ♂, mature, intermediately scrotal, 41g. BLEED
8,8	757	P. californicus ♀, mature, non, parous, 36g BLEED
8,6	01000	P. boylii, ♀, mature, nulliparous, 23g.
9,6	1002*	N. fuscipes, ♂, early mature, non-breeding, ≥ 250g
9,7	1931	P. californicus, ♀, mature, parous Torpid (wet) - Mortality
9,9	745	N. fuscipes
9,10	471	P. californicus, ♀♂, mature, non breeding (testes 6bsy), 39g BLEED
9,12	746	P. californicus, ♀♂, mature, non breeding, 35g. BLEED
9,13	1934	P. californicus, ♀ mature, non, nulliparous (?), 39g BLEED
9,13	773	" " ♂, mature, non breeding 43g BLEED
		4m N of station (downhill). escaped to same hole w/ rocks,
9,14	473	P. boylii, ♀, mature, nulliparous, 22g ~~BLEED~~
10,13	440	N. fuscipes

Hastings Reservation, Monterey Co., CA.

	station	id #	
Oct 17 (con't)	10,13	843	P. californicus, ♂, mature, nonbreeding. 33g BLEED
	10,14	480	P. boylii, ♀, mature, non, parous 22g
	10,14	768	P. californicus, ♂, mature, nonbreeding 39g BLEED
	10,14	772	P. californicus, ♀, mature, ~~pregnant~~ (~~early?~~ nulliparous otherwise), 45g BLEED tagged lft ear #1003.
	10,12	774	N. fuscipes
	10,11	0240	P. boylii, ♀, mature, non, parous 21g
	10,11	*0200	P. trivi, ♂, immature, 16g (new animal)
	10,11	484	P. californicus, ♀, mature, perforate, parous, 30g BLEED
	10,10	* 0210	P. trivi, ♀ mature, nulliparous, 26g. Previously ear tagged + lost
	10,10	470	P. trivi, ♂, mature, nonbreeding
	10,9	1954	N. fuscipes
	10,7	476	P. trivi, ♂, mature, nonbreeding.
	10,7	740	P. californicus, ♂, mature, nonbreeding, 39g BLEED
	10,7	1991	P. californicus, ♀, mature, parous, perforate, 41g BLEED
	10,6	841	P. boylii, ♀, mature, nulliparous 26g.
	10,6	762	P. californicus, ♂, mature, non, 37g BLEED
	10,6	489	" " , ♀, mature, nulliparous. 35g Bleed
	10,5	0220	P. trivi, ♀, mat, non, parous 27g
	Finished clearing MC-1 @ 1045 hrs, moved on to RC-1.		
	1100hrs-RC-1	0400*	
	8, ~~17~~	~~0340~~	Perog. californicus, ♂, mature, non
	7,17	#617	N. fuscipes
	7,16		Perognathus californicus (pred. toe-clipped)
	7,15	#844	P. californicus, Recapture (bled during night)
	6,14	(New) #1004	P. californicus, ♀, mature, imperforate, parous (nipples semi-swollen) 38.g Bleed
	6,15	0340	P. boylii, ♂, mature, nonbreeding, 28g
	6,17	615	P. californicus – Recap

Hastings Reservation, Monterey Co., Calif.

Oct 17 (cont.)

5,17	1001	P. californicus - Recapture		
5,17	New 0300	P. maniculatus	♀, mature, pregnant, parous, nipples swollen, 19g	
5,14	645	M. californicus	nonbreeding, 33g.	
5,13	611	N. fuscipes		
5,11	0140	Perog. californicus, ♂, mature, non		
6,11	835	P. californicus - Recap		
5,11	New 0310	P. maniculatus	♂, mature, scrotal, 20g.	} caught together in same trap.
5,11	New 0400	" "	♂, immature, 11g	} caught together in same trap.
5,10	New 0410	Perog. californicus, ♂, M, non, 24g		

Finished checking traps at 1200hrs. Spun blood and picked up traps, left Hastings around 1500hrs

7 Nov

At Hastings for Zool 163 field trip. Arrived at 1340h - partly cloudy and cool (~70°). Set traps on Haystack Hill Calhoun line with students. At 1600h set out 2 traps/station on rows 7-10 on MC-1. Sun set around 1730hrs

2124hrs - Out on MC-1 to check traps - w/ S. Allison, E. Luke, P. Kelly

Overcast, upper 60's, light mist.

PCMC1F.DAT

st	#	spp		
7,6	01200*	P. boylii	♂, M, nonbreeding, 24g.	Previously ear-tagged - Lost. Toe-clipped right eye blinded
7,9	1953	P. calif.	♂, M, close to scrotal, 42.9g	19-53 toe clip
7,10	741	P. boylii	♀, M, parous nonbreeding, 22.0g	
7,12	01100	P. boylii	♀, M, nulliparous nonbreeding, 19.0g	
8,5	737	P. californicus	♀, M, nulliparous nonbreeding, 36.0g	bleed ear tag lost
9,5	01000	P. boylii	♀, M, parous nonbreeding 23.0g	
9,6	1929	P. californicus	♀, M, nulliparous nonbreeding 37.5g	bleed
9,6	740	P. californicus	♂, M, nonbreeding 42.0g	
9,8	743	P. boylii	♂, M, nonbreeding, 23.0g	
9,10	471	P. californicus	♂, M, close to breeding 39.0g	
9,10	484	P. californicus	♀, M, nulliparous semiperforate, 35.5g	

*-new animal

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~~#~~(60)

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7 Nov (con't) 9,11 0240 P. ~~true~~ boylii, ♀, M, parous, nonbreeding, 22.0g

9,12 774 Neotoma

9,14 480 P. boylii, ♀, M, nulliparous, nonbreeding, 23.0g

9,14 0210 P. boylii, ♀, M, nulliparous, nonbreeding, 24.0g

10,14 1005* Neotoma ♀, M, early imperforate

10,14 1006* Neotoma ♂, M, nonbreeding

10,12 843 P. californicus, ♂, M, nonbr., 37.0g

10,11 798, P. californicus, ♂, M, nonbreeding 38.0g + bleed

10,10 470 P. truei, ♂, M, nonbreeding, 24.0g

10,10 0400* P. truei, ♂, subad., nonbreeding, 19.0g

10,9 1954 Neotoma

10,7 0210 P. truei, ♀, imperf, nulliparous, nonbreeding, 25.0g

10,7 476 P. truei, ♂, M, nonbreeding, 24.0g

10,6 1007* P. californicus, ♂, I, nonbreeding, 17.0g

10,6 1952 P. californicus ♂, M, semiscrotal, 44.0g tag left ear 1008 [bleed]

10,5 01300* P. boylii, ♂, M, nonbreeding, 25.0g, lost ear tag

Finished checking traps at 2345 and returned to spin blood, etc.

All traps were closed when we finished

8 Nov. Today was clear, calm, mid 70's. Reset traps around 1600hrs.

Out at 2200h to check traps: Clear, cool (low 50's), moon ½ full.

7,6 01200 P. boylii, ♂, M, N, 25g

7,8 1969 P. boylii, ♀, M, N, Parous

7,13 444 P. boylii, ♂, M, N, 22g

8,8 1953 P. californicus, ♂, M, N, 40g

9,5 735, P. boylii, ♂, M, N, 23g

9,5 01000 P. boylii, ♀, M, N, Parous, 23g Lost eartag, but previously toe-clipped.

9,7 0210 P. truei, ♀, M, N, Feels Nulliparous, 25g. Lost eartag, t.c previously

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Nov 8 (cont.)

9,8 740 P. californicus, ♂, M, N, 42g.

9,9 741 P. boylii, ♀, M, N, Nulliparous, 23g

9,10 471 P. californicus, ♂, M, Non. 39g

9,12 0240 P. boylii, ♀, M, Non, Parous, 22g.

9,13 1934 P. californicus, ♀, M, Non Parous, 42g. Eye fine

9,14 1935 P. californicus, ♂, M, Non breeder 38g BLEED

10,14 1003 (372) P. californicus, ♀, M, Perforate, Lactating 45g Escaped down hill, N of station, lost her @ 2m

10,14 478(?) P. boylii, ♀, M, Non, Nulliparous Forgot #

10,7 1991. P. californicus, ♀, M, Perforate, Maybe early pregnancy 48g

10,7 01300 P. truei, ♂, M, Non. 24g. About to loose ear tag; toe-clipped 040

10,6 476 P. truei, ♂, M, Non scrotal 25g

10,5 841 P. truei, ♀, M, Nonbreeding, Parous. 26g

10,5 0220 P. truei, ♀, M, Non, Parous 22g

Finished checking traps by 2345h. Returned to spin one sample

Dec 17

Arrived at Hastings at 1415h. Will be here until 20 December to trap grids MC-1 and RC-1. This afternoon was mostly clear, calm, low 70's. Set out 2 traps per station at all stations on both MC-1 and RC-1. RC-1 is very wet, the soil is almost muddy. Finished setting traps by 1645. Sun sets around 1645 and it is completely dark by 1730h.

2030h - out checking traps on MC-1. It's calm, cool (50's), and slightly overcast. The moon is full, rising (10 o'clock in sky) - BRIGHT!

Finished checking traps by 2145h ~ not much action

Summary: P. californicus: 6 captures (3♂:3♀) none new

P. boylii: 5 captures (1♂:4♀) " "

P. truei: 2 captures (1:1) " "

No Neotoma?

Hastings Reservation, Monterey Co., Calif.

Dec 18 Overcast, calm, high 40's, few rain drops. Started on RC-1 at 0700hrs - barely enough light to work. Finished RC-1 @ 0900h, started on MC-1. Still mostly cloudy. Finished MC-1 by 0950h - very few captures

Dusted # 796-♀ with Green at station 10, 6

" # ~~[illegible]~~ 471-♂ w/ Orange at 9, 10 - escaped up hill, SE, towards station 10, 11.

Summary from RC:1 P. californicus: 8 captures (4 mature (1♂:3♀): 3 subs (2:1): 1 juv ♂)
3 new animals: (2♂:1♀)

P. boylii: 9 captures; 3 new

Perognathus californicus: 4 captures; 1 new that died (# 750)

M. californicus: 2 captures; 1 new

P. maniculatus: 1 capture

N. fuscipes: 3 captures; 1 new

S. trowbridgei: 1 new capture

Total 28 captures (10 new animals)

MC-1 - P. californicus: 2 captures (1♂:1♀)

P. boylii: 5 captures, 1 new

P. truei: 3 captures

N. fuscipes: 2 captures

Total 12 captures (1 new animal)

Returned home to stuff the mortality. Around noon it started to drizzle, which continued off & on all day. Reset traps from 13:30 to 1530 hrs. Went into town to get some bait. 2050hrs - Out on RC-1 to check traps. Drizzling off and on at first, but by 2200hrs it was clear & the moon was out. Finished by 2210hrs.

Dusted #1016 (1 juv ♀), st. 6, 11 - ORANGE } "Attempt" to determine family

" #1017 (1 juv ♂) 8, 10 - RED }

Hastings Reservation, Monterey Co., Calif.

Dec 18 (cont) Summary of RC-1: P. californicus - 7 captures (3 new captures)
P. boylii - 6 captures
Perog. californicus - 1 capture
M. californicus - 1 "
N. fuscipes - 2 "
17 total captures

Dec. 19 0515h - Out on MC-1. Its overcast, drizzling, low 50's.
Finished 0650hrs - drizzling harder. On RC-1, saw 10 feral pigs to SW of grid heading uphill towards SE. There were 4 mature animals and 6 piglets. Couldn't i.d. sex on any of those.
Dusted #1015 (♂) w/Red (should have used green).
#1012 (juv ♂) was caught at 6,11 with ORANGE on legs, ears, head, feet and tail. Escaped to stream bank (same as 1016 on 17 Dec).

Finished RC-1 0900hrs. Drizzle has stopped, but still overcast.

MC-1 Summary: P. californicus: 5 captures (1 new)
P. boylii: 13 captures (2 new)
P. truei: 2 captures
N. fuscipes: 4 "
24 total captures.

RC-1 Summary: P. californicus: 9 captures (no new)
P. boylii: 7 " (2 new)
N. fuscipes: 2 "
Perog. californicus: 1 "
M. californicus 1 "
S. trowbridgei: 1 new capture
21 total captures.

Reset traps from 1330 to 1530hrs. The sun came out under partly cloudy skies during the afternoon, temp. in the high 50's started raining hard around 2000hrs, delaying my intended check on RC-1.

Hastings Reservation, Monterey Co., Calif.

Dec. 19 (con't) 2050 - on RC-1. The rain passed & it's actually clear overhead. Finished at 2200hrs. Overcast skies. Drizzling by the time I got home. I didn't record times for each individual capture since it only took an hour.

Dec 20 0500h - out on RC-1. Partly cloudy, upper 40s, moon overhead (3/4 full). Finished 0625 hrs. Partly cloudy, and fog beginning to collect in valley floors. Finished MC-1 @ 0830. Packed up to leave

Grid Data
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Hastings Reservation, Monkey Co., Ca.

TRAP GRID MC-1E Madrone Canyon): P. californicus only (pt.)

JOURNAL - GRID DATA

Species	No.		Sex	Age	Birding	June 25	June 26	June 27	June 28 "night"	June 29 night	June 30 early	June 30 late	Comments	July 1
						Occ 1	2	3	4	5	6	7		8
P. californicus	737		♀	Im	No	9,5				0240 9,5		0430 9,5	White tail tip ~4mm.	
	1966		♂	M	No	9,5		9,5		0125 7,5	2340 9,5		White tail tip ~2mm. Escaped W under oak 3-testes a bit swollen	0305 7,5
	738		♀	Im	No	9,5	8,5	8,5	2245 9,5	8235 9,5	2305 8,5	0400 7,5	White tail tip =10.5mm. Escaped under rocks W/SW of station	0310 8,5
	1952	Dusked	♂	M	No	9,6	7,7	8,7	0010 88	0215 9,6	2315 8,7	0420 9,6	last 4-6 tail hairs white. Escaped to NE. 2-Escaped to stream bank	0320 8,7
	1931		♀	M	No. Vulva closed non lactating	9,7	9,6		2240 9,6	0410 8,8	2230 9,7		Escaped to W. White tail tip 2-under willows to west	0320 8,7
	1929		♀	I	No	9,7	8,7	9,7	2340 9,7	0135 8,7		0415 9,7	White tail tip ~3mm. Escaped to N. 2-up into willow, then down N of station	0330 9,7
	739		♂	M	No	9,7	10,7			0300 10,7	0009 10,9	0445 10,8	Dark tail tip. Escaped up into Oak to E. 2-east up into oak	0345 10,7
	1991	Dusked	♀	M	Yes. Vulva open; moist	9,8	9,7	8,8	2300 10,7	0145 9,7	0100 9,8	0515 9,8	White tail tip =8mm. Escaped toward Neotoma home 3-still perforate	0445 9,8
	740		♂	M	No	9,8	9,8		2340 9,8	0405 9,8	0050 9,9	0515 9,8	Dark tail tip. Escaped same as 1991.	0445 9,8
	1953		♂	M	Testes not swollen, but baculum partially extruded	5,8	7,9	7,9	0015 [illegible]79	0430 7,9	0110 7,9	0525 7,9	Dark tail. Escaped to NW. Testes little swollen	0455 7,9
	1971		♀	M	No. Vulva crusty 8-Vulva perforate	5,8	6,8	8,8	0010 7,9	0425 7,9	0110 7,9	0525 7,9	White tail ~4mm. Escaped up into Oak.	0455 7,9
	1972		♂	M	N	8,10	10,9	10,9		0315 10,10			Dark tail. Escaped to SW under licker 2-Down hill	0455 9,9
	746		♂	early M	N	8,12	9,12	9,12		0345 9,13		♀	Dark tail. Escaped into hole under tree trap	0430 9,13
	747		♂	early sub	N	8,11	8,11	10,9					Dark tail tip	0500 8,10
	1935		♂	M	N	6,12	6,12	8,14	0035 7,12	0510 8,14			Escaped into hole in bank. Dark tail tip	0630 6,12
	1979		♀	M	Vulva crusty. No sign of breeding before	6,11				0355 9,11			Dark tail tip. Escaped under rock	
	1934		♀	M	Vulva crusty	8,14	9,14	8,14		0445 8,12		0540 8,14	White tail tip ~5mm. Escaped to stream bank 2-escaped down	0525 6,12
	1973		♀	M	No, Vulva Reabsorbed on Dec 8	9,13	10,13			0345 9,13	0035 9,13	0500 9,13	Dark tail. Escaped West 2-NW escape	0430 9,13
	—		—	—	—	9,13							Untagged animal - Escaped	
	757		♀	early M	NO, Vulva closed		8,6						Dark tail tip, escaped to west	
	758		♂	M	NO		9,6	9,6	2240 9,6	0230 9,6	2235 9,6		Dark tail tip. Escaped to NW. Coat; chest rich brown-red	
↓	762		♂	M	No		10,6	10,6	2257 10,6	0140 9,7			Dark tail, escaped down hill	
P. californicus	764		♀	Imm	NO		10,6		2335 9,8				Dark Tail Tip. Escaped in hole under oak at station	

(1)

Hastings Reservation, Monterey Co., Ca.

Trap Grid MC-1 (Madrone Canyon) : P. californicus only (p.2)

Journal - Grid Data

Species	No	Sex	Age	Bridging	Occl	June 26 2	27 night 3	28 night 4	29 night 5	30 early 6	June 30 late 7	July 1 8	Comments
P. californicus	766	♀	M	No, nulliparous		10,10				0015 10,10		0500 8,10	White tail tip ~2mm. Caught by tail in door. I cut off last 50mm. Escaped to east
	1993	♂	M	No		10,14	10,14		0315 10,9	0015 10,10		0440 9,11	Dark tail tip. Escaped N, down hill.
	768	♂	M	No		10,14	10,14		0340 9,14			0425 9,14	Dark tail tip. Escaped crest
	772	♀	M	No	vulva closed, nipples not obvious	9 ~~8~~,14	10,13			0025 10,14			Dark tail. Escaped down
	773	♂	M	No		9,13	9,13	0100 9,13		0035 9,13	0500 9,13	0430 9,13	Dark tail. Escaped west
	783	♀	M (early)	No	appears nulliparous	8,8	9,8	2345 8,7	0405 9,8		0520 8,8	0600 6,8	White tail tip ~5mm.
	793	♀	M	vulva crusty, appears nulliparous			8,6	2240 8,6		2310 8,6		0315 8,6	Dark tail tip
	795	♂	sub	No			10,5			2345 10,5		0340 10,5	Dark tail. Escaped under madrone to s/w.
	796	♀	M	vulva crusty, parous			10,6		0255 10,6	2350 10,6			White tail tip ~15mm. Escaped under madrone at station
	798	♂	M	No			10,7	0200 9,7		2355 10,7		0505 8,11	White band 3mm from tip of tail
	438	♂	Imm	No			10,13		0330 10,13				White tail tip ~6mm. Just starting subadult molt
	A57	♂	M	NO			8,14						
	1853	♂	M	No			7,9						escaped to stream bank
	471	♂	late sub	No				0085 10,14				0410 10,14	
	1994	♂	M	No				0115 8,14	0505 8,14	0130 8,14		0515 8,14	
	1939	♀ Dusky	M	Vulva perforate				0115 8,14	0450 8,12	0140 7,14			
	1965	♂	M	No				0150 5,8	0410 8,8		0350 5,7	0255 5,7	Dark tail tip
	475	♀	Imm	Nulliparous					0120 7,7				Dark tail tip – GREEN spot part of tail
	489	♀	M	Vulva crusty, nulliparous					0425 7,9		0435 10,6		Dark tail tip – escaped to stream bank
	1938	♀	sub						0445 8,12	0140 7,14			
	484	♀	Sub	Nulliparous						2305 ~~8~~7,5	0350 7,7	0305 7,5	Dark Tail tip
	1936	♂	M	No						0130 8,14	0535 8,14	0515 8,14	
P. californicus	496	♀	M	Vulva crust;							0415 9,7	0330 9,6	
	1829	♀	Sub	No, Nulliparous							0415 9,7		

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JOURNAL - GRID DATA

Hastings Reservation, Monterey Co., CA

GRID MC-1 (Madrone Canyon): P. californicus only

Hastings Reservation, Monkey Face (6.CA
GRID MC-7 (Madrone Canyon). P. boylii only (LD-1)

JOURNAL - GRID DATA

(4)

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Species	No	Sex	Age	Brdng		June 25 Occ 1	June 26 2	June 27 3	June 28 "night" 4	June 29 night 5	June 30 early 6	June 30 late 7	July 1 8	Comments
P. boylii	732	♂	M	close, testes swollen		5,5	7,5	7,5	2230 7,5		2305 7,5	0340 5,5	0230 5,5	
	733	♂	M	no		7,6	8,5	8,5	2230 8,5	0130 8,5	2310 8,6	0410 8,6	0310 8,5	
	734	♂	sub	no		7,6	8,7	7,8	2345 8,7	0120 7,6	2300 7,6	0350 7,7	(0520 7,8)	5,6 0250 7,8 0455 escaped to rock 1m NW of station
	1969	♀	M	post-lactating, vulva closed, parous		7,6	7,6	7,6	2350 7,7		2300 7,6			escaped to base of oak to NE
	1968	♂	M	No		8,5		7,5		0125 7,5	2305 8,5	0405 8,5	0310 8,5	Ear tag nibbled on
	735	♂	M	No		8,5	8,5	8,5	2230 8,5	0130 8,5	2305 8,5	0400 7,5	0345 10,6	♂ - yes, it's coved
	1970	♂	M	No		8,7		8,7	2355 7,8	0135 8,7				
	1990	♂	M	No		8,7	7,6	7,6	2230 7,6	0415 7,8	2315 8,7	0355 7,6	0300 7,6	
	741	♀	M	No		6,8	6,9	6,9	9140 6,9		0200 6,8			escaped up into oak
	743	♂	M	No, testes a bit swollen	7,9	(9 7)	7,9	7,9	0010 7,9	0600 6,8	0200 6,8	0555 6,8		escaped to stream bank
	744	♂	late sub	No		(9 7)	7,10	7,10	0020 7,10	0435 7,10			0455 7,9	escaped to stream bank
	1992	♀	Marvo	No	Nulliparous	6,12	5,12	6,12	0030 6,12	0440 7,12				escaped into hole in bank
	0100	toe clip ♀	I	No		6,14	6,14	5,14	0135 5,14	0530 5,14				some brown on sides
	748	♀	M	No		8,14	8,14			0330 10,14		0530 8,14	0530 7,13	escaped toward stream bank
	1975	♂	M	No		8,14	8,12	7,13	0130 9,14	0520 7,13	0145 7,13	0540 8,13	0515 8,13	Ear tagged, escaped. 50mm of tail came off. -1D on Occ 2
	749	♂	early sub	No		9,14		9,14	0130 9,14		0025 10,14		0410 10,13	
	755	♂	early mating	No			5,5	5,5		~~5,5~~	2255 5,5	0340 5,5	(0520 8,8)	0320 8,7 lost part of tail in trap
	756	♀	M	Vulva open, parous			5,5	5,5	2220 5,5	0100 5,5	2255 5,5	0340 5,5	0230 5,6	
	0200	toe clip ♀	Immature. No				7,6		2350 7,7					
this is P. trueei	760	♀	early sub, No				10,5	10,5		0250 10,5				10R-91-23-22. Tawny on sides. Tail stripe broad & indistinct (Peacam)
	761	♀	M	No, Vulva closed			10,5	10,5	2250 10,5					
	771	♀	M	No, Vulva crusty			9,14							Escaped up into Madrone
P. boylii	780	♂	M	No			8,10		0020 7,10		0115 7,10	0525 7,10	0510 7,10	Only ~20mm of tail

Hastings Reservation, Monterey Co., CA.
GRID MC-11 (Madrone Canyon): R. boylii only (sp. 2)

Journal - GRID Data

Species	No.		Sex	Age	Brdg	Occ 1	June 26	June 27	June 28 (night)	June 29 night	June 30 early	June 30 late	July 1	& Comments
R. boylii	1970		♂	M	Non		8,8				0100 8,8	0356 7,6		Missing 40mm of tail tip. 9,9 0445
	784		♀	M	Vulva slightly open; nulliparous		8,7							
	0300	toe clip	♀	Imm.	No		7,7		2350 7,7		0105 7,8			Escaped to stream bank
	785		♀	Sub	No, nulliparous		5,7	5,7	0145 6,8					Escaped into hole east of station
	787		♀	Sub	No, nulliparous		5,9		0030 6,11	0350 6,9	0155 5,10	0545 5,10		
	1956		♀	M	, Non breeding		6,14	6,14	0130 7,13	0545 6,13	0150 6,14	0845 5,13	0835 6,13	white spot on tail, 20mm from tip
	791		♂	M	No			5,5	2220 5,5	0110 5,5				red mite(?) on ear - Occ 8
	792		♀	Early M	Vulva perforate, appears nulliparous			8,6	2240 8,6	0135 8,6		0845 8,6		
	794		♂	M	No			9,5		0130 8,5		0405 8,5	0335 9,5	
	439		♀	Early Sub	No, nulliparous			9,14			0030 9,14	0510 9,11		
	441		♂	Early M	No			9,11	2320 10,10		0040 9,11		0445 9,11	
	442		♀	M	Vulva open, parous			9,11			0040 9,11			
	443		♀	M	No, nulliparous			8,12			0040 9,12			
	1976		♀	M	Vulva crusty appears nulliparous			8,13		0320 10,11	0125 8,13			
	444		♂	M	No			6,12			0120 6,12	0350 5,12		Missing part of tail, blood stains on right breast
	445		♀	M	No, appears nulliparous			6,11			0120 6,11		0530 6,12	
	446		♀	Early M	No, appears nulliparous			5,7	0145 6,8		0200 6,8		0600 6,8	
	448		♂	Early M	No				2220 5,5	0110 5,5		0520 7,8	0230 5,5	0458 (7,8
	469		♀	late Sub	No, nulliparous				2225 5,10	0120 7,6		0345 5,6	0300 7,6	
	310	toe clip	♀	Imm	No, nulliparous				2245 10,5	0245 10,5				
	473		♀	M	No, nulliparous				0105 8,13			0530 7,13	0530 7,13	
	474		♀	Sub	No, nulliparous				0145 6,8	0600 6,8				
R. boylii	478		♂	M	No					0320 10,11			0400 10,11	

ZIBBLE, DJO 1986

Journal - Grid Data

Gustus Reservation, Monterey Co., CA

Grid MC-1 (Alladrone Canyon): P. boylii only (GP-3)

Species	No	Sex	Age	Body	Occ 1	2	3	4	5 June 29 night	6 June 30 early	7 June 30 late	8 July 1
P. boylii	479	♂	M	Non, but testes a bit swollen					0340 9,14			0425 1,14
	480	♀	M	Nulliparous					0340 9,14		0500 9,14	
	494	♂	M	N					0410 8,8		0510 9,11	
	481	♀	M	vulva crusty nulliparous					0415 7,8			
	499	♀	M	No, nulliparous					0435 7,10		0525 7,10	
	491	♂	M	testes a bit swollen					0440 6,11			0550 5,10
	1978	♀	M	Vulva crusty					0440 7,12		0530 7,12	0540 7,12
	486	♂	M	N					0505 8,14	0125 8,14		
	492	♂	early M	N					0520 7,13	0145 6,13		0550 7,13
	490	♀	M	Vulva crusty					0530 5,14		0545 6,14	0545 5,14
	1956	♀							0545 6,13			
	497	♀	M	N, Nulliparous						2330 9,7		0330 9,7
	500	♂	early M	No						2335 9,6		
	488	♀	M	No, parous						2340 9,5	0405 8,5	0335 9,5
	487	♂	M	No							0345 5,6	
	493	♂	M	No							0400 7,5	
	495	♀	M	No, Nulliparous							0410 8,7	
	2629	♂	I	No							0430 10,5	
	2630	♀	early M	No, Nulliparous							0455 10,13	
	2631	♀	M	No, parous							0510 9,11	
	2632	♀	late sub	No, nulliparous							0545 8,11	0510 8,12
	2635	♂	M	No testes apparent								0355 10,9
	2636	♂	M	No								0400 10 10
P. boylii	1976	♀	M	vulva closed								0425 1,14

Ribble, D.O. 1986

Journal - Grid Data

Hastings Reservation, Monterey Co., CA.

Trap Grid MC-1 (Madrone Canyon) - P. boylii only (p-4)

July 1

	8	7	6	5	4
	0510 7.10				
	0535 6.14				
	0545 5.14				

Spp.	No.	Sex	Age	Brdg.	1	2	3	4
P. boylii	2637	♂	M	Holes 6bit small, not scrotal				
P. boylii	1974	♂	M	didn't record				
P. boylii	2639	♂	M	no.				

Hastings Reservation, Monterey Co., CA.
Trapgrid MC-1 (Underdome Canyon) - N. fuscipes; 5 misc. (spi)

Species	No		Sex	Age	Brdg	Occ	June 25 1	June 26 2	June 27 3	June 28 (night) 4	June 29 (night) 5	June 30 early 6	June 30 late 7		July 1 8
N. fuscipes	736		♀	M	vulva open intermed. non-lactating		8,5	9,5	10,7		0250 10,6	2355 10,7		Escaped under log; rock pile between 8,5 & 9,5. Hawk seen (see Journal)	0330 9,6
							8,8	- Neotoma tail caught in trap. No animal. Other trap rolled over.							
							5,9	- Trap rolled. 1 trap missing →							
N. fuscipes	742		♀	sub	no		5,9	5,9	5,9	0140 5,9	0545 5,9	0200 5,9		Caught by base of tail in trap door. Drug trap down 7m. Tagged. Tail still intact. Escaped to adjacent midden.	0000 5,8
N. fuscipes	745		♀	M	Vulva wide open ? moist		9,10	8,10	8,10						
							9,12	- Two traps shut w/no animal. 1 trap rolled							
							7,12	- Trap rolled							
Microtus californicus	750		♂	M	No		9,8		9,8		0410 9,8			1- Caught during day.	
N. fuscipes	759		♂	M	testes swollen, not gravid breeding			9,5	9,6	2235 8,5	0235 9,5	2340 9,5		Escaped to west	0340 10,5
P. truei	763		♀	M	No			10,7			0300 10,7	2355 10,7	0440 10,7	195-93-24-24, distinct tail stripe	
P. truei	765		♀	M	No, vulva closed, nipples swollen (post-lactating)			10,8	10,8	2255 10,7	0300 10,7	0010 10,9	0440 10,8	hf=23 ear=23 escaped down hill	0345 10,7
								10,9 - 1 Trap rolled, 1 down hill							
P. truei	—		—	—				10,11	- Escaped. Fairly positive on ID, but could be boylii						
N. fuscipes	767		♂	Imm	No			10,12	10,12	0045 9,12	0350 9,12	0020 10,12		lost 15mm of tail in door. Escaped down hill	0405 10,12
~~N. fuscipes~~	~~768~~		~~♂~~	~~sub~~				10,13	- Two traps rolled down hill, 1 w/animal inside						
N. fuscipes	769		♂	Sub	No			10,14	10,14			0125 8,12		Escaped N, down hill	0510 8,12
Perogn. californicus	0100	toe clip	♂	M	No			8,13			0430 8,9	0110 8,9	0510 9,9		
N. fuscipes	774		♂	Sub	No			9,13	10,12	0100 9,13	0345 9,12	0035 9,12		Escaped to SW.	0440 9,12
	~~775~~		~~♀~~	~~M~~	~~Nipples swollen, but no~~			9,12	- All 3 traps rolled, 2 w/animals inside						0440 9,12
N. fuscipes	775		♀	M	Nipples swollen but not lactating, Vulva closed			9,12	9,12	0050 10,12	0350 9,12	0020 10,12		1.	0405 10,12
M. californicus	776		♀	M	N			9,11						Total length = 145mm. Escaped in burrow by station	
M. californicus	778		♀	M	N			9,11	9,11			0045 9,11		- same size as 776	

R. Tibble, D.O. 1980

Hastings Reservation, Monterey Co., CA.

Grid MC-1 (Madrone Canyon): N. fuscipes & misc. (p. 2)

Species	No.		Sex	Age	Brdg	Occ	1	June 26 — 2	June 27 — 3	June 28 night — 4	June 29 early — 5	June 30 early — 6	June 30 late — 7	July 1 — Comments
N. fuscipes	779		♀	Sub	No			9,10	9,10		0400 9,10	0115 8,10		
N. fuscipes	781		♂	Sub	No			9,9	9,9	2335 9,9	0400 9,9	0110 8,9		0445 Tail covering missing ~ 20mm. Warble 9,10 on left shoulder area
M. californicus	7882		♀	M	No			9,8						→ 0445 9,8
N. fuscipes	786		♀	M	vulva slightly open			5,8	5,8	0150 5,8	0000 5,8	0200 5,8		Escaped up into oak above nest at 5,9 5,8 0600
P. truei	797		♂	M	testes swollen, not quite scrotal				10,6	2255 10,6	0255 10,6		0430 10,5	
P. truei	799		♀	Sub	No, nulliparous				10,8	2315 10,8		0050 9,8	0515 9,8	hf = 24, ear = 23
P. truei	800		♂	M	swollen; semi-scrotal testes				10,8	2315 10,9	0310 10,9	0005 10,8	0440 10,7	hf = 23, ear = 23 0350 10,8
N. fuscipes	1954		♀	Sub	No				10,9	2315 10,9	0310 10,9	0010 10,9		See Spp. Acc 0355 10,9
P. truei	436		♀	M	vulva crusty; open				10,10		0315 10,10	0020 10,11		0400 10,10
N. fuscipes	437		♀	Sub	No, nulliparous				10,11	2325 10,11	0325 10,12	0025 10,13		0400 10,11
N. fuscipes	440		♂	M	not scrotal, but didn't get good look				9,12	0045 9,12	0350 9,12	0025 10,13		Actually caught in Tomahawk trap below station. Escaped up into OAK. Big thermal
N. fuscipes	447		♀	Sub	No, Nulliparous				5,9	0140 5,9	0540 5,9	0200 5,8		Escaped to near beg nest
P. truei	470		♂	M	testes swollen & semi-scrotal					2325 10,11		0450 10,10	[redacted]	0400 10,10
R. Megalotis	0100	tag clip	♂	M	scrotal						0115 5,6			
P. truei	476		♂	early M	No						0245 10,5	2345 10,5	0430 10,5	0345 10,6
N. fuscipes	Didn't tag		—	M	—						0350 10,14			0400 10,14
N. fuscipes	2638		♀	Sub adult	No, nulliparous						0525 6,14	0150 6,14		0540 6,14
"	"			"							5,8			
P. truei	760		♀	early sub	No, nulliparous			10,5	10,5		0250 10,5	2345 10,5		169-91-23-22
P. truei	485		♂	M	No							0005 10,8	0435 10,6	
N. fuscipes	Didn't tag		—	M	—							0030 10,14		
N. fuscipes	"			"								0120 6,12		Escaped to nest to W of station
P. truei	2634		♀	M	No, parous									0330 9,7
R. Megalotis	0200		♂	M	scrotal testes									0520 6,11

Hastings Reservation, Monterey Co. CA

Summary of Captures for MC-1 (includes 2 checks in one night)

June 25 - July 1

Ribble, D.O. 1986

Spp.	No. marked	No. captures	♂	♀	Imm	(♂:♀)	Sub	(♂:♀)	Mature	(♂, ♀)	Bridg animals	(♂ ♀)
P. californicus	46	193	23	23	6	1:5	4	3:1	36	19:17	2	0:2
P. boylii	71	244	34	37	5	1:4	9	3:2	57	30:31	3	0:3
P. truei	11	43	5	6	0	—	2	1:1	9	4:5	1	0:1
R. megalotis	2	2	2	0	—		—		2	2:0	2	2:0
N. fuscipes (marked animals only)	16	80	6	10	1	1:0	8	3:6	6	2:4	1	0:1
Microtus californicus	4	9	1	3	—		—		4	1:3	0	
Perognathus californicus	1	4	1	0	—		—		1	1:0	0	

Total 151 574

Total trap nights 1410 (40.7% success)

(All times listed are Daylight savings time)

Tibble, D.O. 1986

Hastings Reservation (Wolfe Grid) Trap Grid #1-1 (Madrone Canyon) - Peromyscus californicus only

Journal - Grid Data

Species	No.	wt(g)	Sex	Age	Breding	Occ 1 July 25	2 July 26 (early)	3 July 28 (late)	4 July 27	5	Comments
P. californicus	738	28	♀	sub	No. nulliparous	7,5	7,5	0330 7,5	0340 7,5		white tail tip
	737	28	♀	sub	No. nulliparous	7,5					white tail tip - Sub of 738 (?)
	1929	29	♀	sub	No, nulliparous	9,7	9,7		0350 9,7		
	1952	43	♂	M	No	9,7	2250 7,6	0445 8,8	0350 9,7		
	1991	41	♀	M	parous, vulva loose & open not swollen	9,7	2315 9,7	0345 10,7			Dusted w/ orange
	1931	39	♀	M	No, parous	9,6	2305 8,7	0335 9,7	0355 9,6		white tail tip
	758	41	♂	M	No	9,5			0400 10,5		Escaped to hole SW, 1m from station
	1966	38	♂	M	No	9.5	2330 9,5	0340 9,5	0355 9,5		Escaped in same hole as 758, but sampled and headed west
	796	43	♀	M	No. nulliparous	10,6		0350 10,6			Dusted Dark green
	798	34	♂	M	No	10,6					
	762	37.5	♂	M	No	10,6	2340 10,6		0400 10,6		had yellow tinge on tail & feet
	1972	35	♂	M	No	10,10		0415 10,11	0440 10,10		
	~~483~~ ~~843~~	30.5	♂	sub	No	10,11	0005 10,11		0440 10,11		
	438	27	♂	sub	No	10,13	0030 9,12	0435 9,11	0440 10,11		
	768	39	♂	M	No	10,14	0025 9,14				
see below 1994	wrong ~~1993~~ ?	~~1982~~	32.5	♂	early M	No	9,14				May have misread this - 1993? or 1935
	1993	35	♂	M	No		0010 10,13				
	773	37.5	♂	M	No	9,12	0030 9,12				Escaped into Weetona nest above (5) station
	740	42	♂	M	No	9,8	0050 9,8		0425 10,8		ID No. ? - I think that is correct
	747	27	♂	early M	No	8,10			0435 10,9		
	1953	41	♂	M	No	7,10	0100 7,10		0515 7,9		Lot of ticks on ears (6)
	1934	38	♀	M	No, parous	8,12	0110 8,13	0430 9,13	0535 8,13		Dusted RED
P. californicus	1935	35	♂	M	No	8,13	0110 8,13	0455 8,13			

Kibble, D.O. 1986

Hastings Reservation, Monterey Co., CA

Trap Grid MC-1 (Willow Canyon) - P. californicus ONLY

Journal - Grid Data

Spp.	No.	Wt(g)	Sex	Age	Brdg	Dec 1	2	3	4	5	Comments
						July 25	July 26 (early)	July 26 (late)	July 27		
P. californicus	1979 (895)	36	♀	M	No, parous	6,8					Dusted w/ lime green. About to loose tag so re-tagged rt ear # 895. white tail tip
	738	22.5	♀	sub	No, nulliparous		2255 7,5				
	793	42	♀	M	No, parous		2305 8,5		0340 7,5		
	1929		♀	sub	No, nulliparous		2310 9,7				
	2646	49	♀	M	No, parous		2325 9,6				
	795		♂	sub	No		2335 10,5				
	772	44	♀	M	No, parous		0020 10,14		0450 10,13		
	1953		♂	M	No		0100 7,10				
	746	35	♂	M	No		0105 8,11				
	1939	47	♀	M	Vulva sealed, parous		0125 8,14		0540 8,14		
	484	30	♀	early M	No, appears nulliparous		~~2345~~	0330 7,5			
	1994	32	early ♂	M	No	9,14		0430 9,14			
	489		♀	M	Non				0405 10,6		
	739	44	♂	M	No				0425 10,8		
	471	30	♂	early M	No				0510 8,8		
(P. beerdi	1992		♀	M					0525 6,11		)
	1939	44	♀	M	No, parous				0540 8,14		

(2)

Tibbie, D.O. 1986

Hastings Reservation, Monterey Co. CA.

Trap grid NW-1 (Madrone Canyon) - P. boylii only

Journal - Field Data

Species		No.	Wt.	Sex	Age	Breeding	Occ 1	2	3	4	5	Comments
							July 25	July 26 (early)	July 26 (late)	July 27		
P. boylii	*	toe-clip 0110	12	♀	I	nulliparous	5,5					
		474	19.5	♀	M	No, parous	5,7					
		446	22	♀	M	No, parous	5,7	2240 5,7		0600 6,6		
		1969	25.5	♀	M	No, parous	7,7	2245 7,7	0325 7,6	0330 7,7		4-lost tail end in door.
		732	23.5	♂	M	No	7,6	2250 7,6	0325 7,6	0335 7,6		~~bet positive~~?
		493	24	♂	M	No	7,5	2255 7,5				
		1968	20	♂	M	No	8,5					1-caught in same trap as 733
		733	20	♂	M	No	8,5	2255 7,5		0345 8,6		1-caught in same trap as 1968
		735	19.5	♂	M	No	10,5		0355 10,6			
	*	+c. 0120	19	♂	early M	No	10,8		0405 10,10			
		486	21	♂	M	No	9,14	0020 9,14		0530 8,12		
		2637	23	♂	M	No	9,11	0000 10,10				
		448	20	♂	early M	No	7,8	0055 7,8	0445 7,8	0325 5,5		4-caught again at 7,8 0510
		780	22	♂	M	No	7,10	0100 7,10		0525 7,10		About to loose ear tag, but short tail should give away
		741	22.5	♀	M	No, parous	7,10					
		+c 0210	22	♀	M	Nonbreeding	8,13	0110 8,13		0540 8,14		Lost its ear tag - clearly! Toe clipped.
	*	0220	20	♂	early M	Nonbreeding	8,13	0040 9,11				
		1975	22	♂	M	No	8,14	0130 7,13	0455 8,13			posterior tail missing.
		480	21	♀	M	No, parous	8,14		0425 9,14			
		1956	21.5	♀	M	No, parous	6,14	0135 6,14		0330 5,13		
		444	24	♂	M	No	6,14	0135 6,14		0545 6,14		
		1974	26	♂	M	scrotal, but barely	5,13	0140 5,14	0500 6,14			
P. boylii		1992	22	♀	M	No, appears nulliparous	5,12	0100 6,12				posterior tail missing.

Ribble, D.O. 1986

Journal - Grid Data

(4)

Hastings Reservation, Monterey Co., Calif.

Trap Grid W/C-1 (Meadow Canyon) : P. polionotus only

Species	No.	Wt(g)	Sex	Age	Brding	Occ 1	2	3	4	5	Comments
						July 25	July 26(early)	July 26(late)	July 27		
P. polionotus	787	21	♀	M	No, appears nulliparous	5,10	0140 5,10	0500 5,10	0550 5,10		
	744	22	♂	M	No	6,9	0145 6,9		0550 5,10		
	785	20	♀	M	No, appears nulliparous	5,8		0320 5,7	0330 5,3		
	1970	21	♂	M	No	5,8		0505 6,8			
	743	21	♂	M	No	6,8	0145 6,9	0500 6,9			
	756	23.5	♀	M	Vulva closed, mamae large, parous		2240 5,5	0315 5,5	0335 5,5		
	0230	21	♂	M	No		2240 7,7				Not new animal - definite ear tag loss.
	794	22	♂	M	No		2330 9,5				
*	0340	24	♀	M	No, parous		0010 10,13				
Should be P. trowi *	0240	12	♀	Imm	Nulliparous		0040 9,11	0410 10,11			
	0230		♀	M	No, appears parous		0125 8,14				Not new - ear tag loss definite. Bad #, should change to something else
	439	18	♀	M	No, nulliparous		0125 8,14	~~8,~~	0535 8,14		
	791	23.5	♂	M	No			0315 5,5			
	469	19	♀	early M	No, appears nulliparous			0320 5,6	0330 5,6		
	735		♂	M				0355 10,6			
	771	23	♀	M	No, parous			0420 10,14			
	0310	19	♀	M	No, appears parous				0335 7,6		~~Ear~~ clipped 300 - natural? Previously toe clipped, but not recently
0240 ← changed	784	24	♀	M	No, appears parous				0350 8,7		Was ear-tagged 784, but tag was almost off, so I cut it off & toe-clipped her.
	497	21	♀	M	No, appears nulliparous				0410 10,7		See P. trowi #763 for situation
*	0300	19	♀	M	No, parous				0455 9,14		
	749	20	♂	M	No				0535 8,13	(8,13)	
	0310	18	♂	M	No				0545 7,13		
	0100	16.5	♀	early M Sub	No, appears nulliparous				0545 6,14		Previously toe-clipped.
0240 → except	~~0240~~ 1936								0550 5,13		

RIBBLE, D.O. 1986

JOURNAL - GRID DATA

Hastings Reservation, Monterey Co., Calif.

Trap Grid MC-1 (Madrone Canyon): P. boylii only

July 27

Species	No	Wt.	Sex	Age	Bldg		Occ 1	2	3	4
P. boylii	1956									0550 5,13
	1970	20	♂	M	WD					0000 6,8

Kibble, D.O. 1986

Hastings Expansion, Mount Kennedy Co., CN.
Trap grid MK-1 (Meadow Canyon) - P. truei only

Journal - Grid Data

Species	No	wt.	Sex	Age	Brdg	Occ 1	2	3	4	5	Comments
						July 25	July 26 (early)	July 26 (late)	July 27		
P. truei	476	22	♂	M	No	9,5					
	797	24.5	♂	M	testes a bit swollen, non-breed	10,7	2350 10,7		0410 10,7		
	800	23.5	♂	M	testes a bit swollen, but non-breeding	10,8	2350 10,8		0410 10,7		
	765	24.5	♀	M	No, parous	10,9	2358 10,9	0405 10,9			
	436	26.5	♀	M	No, parous	10,10	0000 10,10	0405 10,10	0440 10,10		
	470	24	♂	M	No	10,11			0500 9,11		
	760	19.5	♀	early M	No, nulliparous			0345 10,5			
	763	29.5	♀	M	Vulva swollen, not perforate, parous			0400 10,8	0410 10,7	←	4-Mortality, Caught ~~on top~~ by leg in trap door. I killed her since leg was worthless. Inside trap was #497 - a P. truei! Catalog No 737
	443	22	♀	M	No, appears nulliparous			0415 10,11			
	485	25	♂	M	testes inguinal, swollen, non-scrotal			0440 9,8	0510 9,8		
*	0240	12	~~♀~~	Im	Nulliparous		0040 9,11	0410 10,11			New animal-tag. ID based on size of ears and docile behaviour
*	0100	23	♀	Sub	No, nulliparous				0355 9,5		
	799	23	♀	M	No, parous				0425 10,8		
	478	29	♂	M	No,				0440 10,11		
	2637	23	♂	M	No				0440 10,11		has natural notch in ear # 380
*	0110	20	early sub ♂		No				0520 8,9		

(6)

Hastings Reservation, Monterey Co., Ca.

Trap grid #10-1 (Willakenzie Canyon) - N. fuscipes only

Tibbles, D.O. 1986

Species	No.	Wt.	Sex	Age	Brdg	Dec 1	2	3	4	5	Comments
						July 25	July 26 (early)	July 26 (late)	July 27		
N. fuscipes	756		♀	mature ~~Subadult~~		8,5	2335 10,5	0355 10,6	0345 8,5		1. - Escaped up into live oak at station
	1954		♀	Mature		10,9					
	767		♂	Imm		10,12	0005 10,12	0415 10,12	0445 10,12		
	437		♀	Sub		10,12	0005 10,12	0415 10,12	0450 10,13		
	no tag			Sub		10,14	0015 10,14	0420 10,14	0455 10,14		
	no tag			Mature		10,14	0015 10,14	0420 10,14	0455 10,14		
	775		♀	M		9,13	0020 9,14				
	774		♂	Sub		9,12	0035 9,12	0435 9,12	0500 9,12		
	745		♀	M		9,10	0045 9,10		0520 8,10		
781	~~781~~		♂	Sub-		9,9	0050 9,9	0440 9,9	0505 9,9		
	no tag			M		8,8					
	742		♀	Sub		5,9	0150 5,8	0505 5,8	0600 5,8		Escaped to nearby nest, heard a "jostle" inside nest hug!
	440		♂	M.			0030 9,13				
	786		♀	M			0150 5,8		0600 5,8		
	no tag			M					0450 10,14		
	2658			M					0530 6,12		Escaped to nest west of station on stream bank

Hastings Reservation, Monterey Co., CA.
Trapping MC-1 (Wadsworth Canyon) - Miscellaneous

Ribble, D.O.
1986

Species	No.	Wt.	Sex	Age	Brdg	July 25 Occ1	July 26(early) 2	July 26(late) 3	July 27 4	5	Comments
M. californicus	778	37.5	♀	M	Nonbreeding	10,10					
M. californicus	750		♂?	M	Nonbreeding	1600 9,8	0050 9,8	0440 9,8			1-Caught in PM
S. beecheyi	No tag			Sub		1600 5,5					Caught in PM. Escaped to hole 5 of station
Sorex trowbridgii	No tag	5.5	Escaped -						0600 6,9		Was - frozen animal. Escaped before I could sex it. Escaped under log by station

Rubble, D.O. 1986

Alstrup's Reservation, Monterey Co., CA

Lepidum nl - Perognathus californicus Owl R

Grid Data

(1)

Species		No	Sex	Age	Brdg	Aug 19 Occ 1	Aug 20 (early) 2	Aug 20 (late) 3	Aug 21 4	Aug 22 5	Comments
P. californicus		1952	♂	M	No	9,7					
		1991	♀	M	perforate	9,7			0435 10,8		
		471	♂	early M	No	10,10	0050 10,10		0500 9,10	0450 10,10	escaped down slope (N)
		768	♂	M	No	10,14	0105 10,14	0445 10,14	0450 10,14		
		773	♂	M	No	9,12					
		843	♂	early M	No	9,12					
	*	605	♂	M	No	9,10		0450 9,10	0440 10,10	0520 9,10	escaped into Neotoma nest at station
		740	♂	M	No, testes abt swollen	9,8					
		757	♀	M	No, appears nulliparous	8,8			0510 7,9	0525 7,9	
		1931	♀	M	vulva crusty	8,8		0420 9,7			
		1953	♂	M	No	7,9	0125 7,9		0510 7,9	0525 7,9	3 ticks on rt. ear
		1934	♀	M	vulva crusty parous	8,13	0110 9,12		0525 8,13	0510 9,13	
		737	♀	early M	No, nulliparous		0020 8,5		0415 7,5		
		1929	♀	M	No		0025 9,7		0530 ~~9,7~~	0430 9,7	
		762	♂	M	No		0040 10,6			0440 10,6	
		772	♀				0100 10,13			0500 10,14	
		484	♀	M	No, nulliparous		0115 9,10	0450 9,10			
		793	♀	M	vulva crusty, appears nulliparous - NO			0415 8,5		0425 7,5	
		758	♂					0430 10,5			
		796	♀	M	Vulva slightly open parous			0430 10,6			
		1957	♂	M	No				0455 9,14	0500 9,14	
		1966	♂	M	No					0435 9,5	
		489	♀	M	No, parous					0440 10,6	
		1935	♂	M	No					0545 8,13	

RIBBLE, D.O. 1986

JOURNAL - GRID DATA

Hastings Reservation, Monterey Co., CA.

GRID MC-1 : P. californicus only

Aug 22

Species	No.	Sex	Age	Brdg.	Dead	Z	3	4	5
P. californicus	1994	♂	M	No					0558 B,14
	1946	♂	M	No					0535 S,14

R. ISBLE, D.O. 1486

Journal - Hastings Reservation, Monterey Co., Ca.

GRID MC-1: P. boylii ONLY.

Species		No		Sex	Age	Breeding	Aug 19	Aug 20 (early)	Aug 20 (late)	Aug 21	Aug 22	Comments
P. boylii		761	(01000)	♀	M	early pregnancy (?)	9,5	0020 8,5		0430 10,5	0425 8,5	about to loose ear tag, t.c. 01000 ID? yes
		735		♂	M	No	10,5			0420 8,5	0425 8,5	
		771		♀	M	No parous	10,14	0105 10,14		0430 10,14		
		0010		♀	M	No parous	9,14					ear tag ripped out, previously t.c.
		480		♀	M	No parous	9,14		0445 9,14		0550 8,14	
		1969		♀	M	No, parous	7,8	0120 7,8		0415 7,7	0430 8,7	
		743		♂	M	No	8,10		0455 9,9			
		1992	(02000)	♀	M	No, parous	6,12	0130 6,12		0520 6,12	0535 6,12	t.c. 02000, ear tag loose
		0220		♂	early M	No, testes beg scrotal	8,11	0130 7,10		0520 8,11	0540 8,11	
	*	0480		♂	early M	No	8,12	0135 8,12		0520 8,12	0540 8,12	white patch on tail, 10 mm long, 5 mm from end
		444		♂	M	testes swollen Non-scrotal	6,14			0530 6,14		
		1956		♀	M	No, parous	5,14	0145 6,14	0505 6,14	0530 5,14	0550 6,14	
		744		♂	M	No	5,10		0510 5,10			
		785		♀	M	No, nullparous	5,8	0010 10,9				
		732		♂	M	No		0010 5,5			0425 7,6	
		785		♀	M	No, appears parous		0050 10,9				
	*	0410 ~~7??~~		♀	M	No, parous		0110 9,14				
		210 ~~0000~~		♀	M	No		0140 8,13		0525 8,13		Ear tag loss, previously t.c.
		~~1??~~						0145 6,14				
		787		♀	M	No, nulliparous		0150 5,10		0535 5,10	0600 5,10	
		741		♀	M	No, parous			0455 9,9		0540 8,11	
		448		♂	M	No				0405 5,5	0415 5,5	
		750		♀	M	No, parous				0405 5,5		— Weight of 750 was 2nd calibration
		799		♀	M	No, parous				0420 9,7		— P. boylii

Ribble, D.O. 1986

Hastings Reservation, Monterey Co., CA.

GRID: MC-1 (Wildrose Canyon) : P. baylii only

Journal - Grid Data

Species		No	Sex	Age	Body	Occ 1	2	3	4	5
									Aug 21	Aug 22
P. baylii	*	0420	♀	M	No, parous				0445 10,11	
		479	♀♂	M	No				0455 9,14	0500 9,14
		756	♀	M	No, parous					0415 5,5
	*	0430	♂	M	No					0530 8,10
		0480	♀	M	No, parous					0530 7,10
	*	0440	♀	M	No, appears nulliparous					0540 8,12

The toe was barely clipped. Did I do this? Yes?, on MC-1 (13) trapline

T. Bibble, D.O. 1986

Journal - Field Data

Hastings Reservation, Monterey Co., CA.

SPZD MIC-1: P. truei, 5 misc.

Species		No		Sex	Age	Breeding	Aug 19	Aug 20 (am)	Aug 20 (late)	Aug 21	Aug 22	Comments
							Day 1	2	3	4	5	
P. truei		841		♀	M	parous, post lactating	10,5	0030 10,5		0430 10,6		
"		765		♀	M	parous	10,7	0045 10,7	0435 10,7	0435 10,8	0445 10,7	
"		800		♂	M	scrotal (coarse)	10,7	0045 10,7		0435 10,8	0445 10,7	
"		436		♀	M	(post-estrous, parous vulva crusty)	10,11	0055 10,11			0450 10,10	
Perognathus californicus		0100		♂	M	No	9,9				0525 7,8	
M. californicus		750		♂	M	No	9,8		0455 9,8		0520 9,8	
P. truei		799		♀	M	No, parous		0025 9,7		9,7	0445 10,8	
"		797		♂	M	No, testes a bit swollen		0030 10,5				
R. megalotis	*	0100		♀	I	No			0400 5,5			Tiny! Not breeding yet
P. truei		470		♂	M	testes close, non-scrotal			0440 10,10		0515 ?,11	
P. truei		476		♂	M	No					0440 10,5	
P. truei		0240		♀	I	No, nulliparous					0510 9,12	previously toe-clipped Definitely P.t.

(57)

Journal - Grid Data (b)

Hastings Reservation, Monterey Co., Ca.

Grid MC-1: N. fuscipes on Monterey Co. Ca.

Only 4

Species	No	Sex	Age	Birding	August 19	Aug 20 (early)	Aug 20 (late)	Aug 21	Aug 22	Comments
					Day 1	2	3	4	5	
N. fuscipes	1954	♀			10,9		0435 10,9	0440 10,9	0445 10,9	
	774	♂			10,12	0100 10,12		0500 9,12	0510 9,12	
	742	♀			5,8			0555 5,9		
	786	♀	M			0450 5,8			0600 5,8	
	736	♀	M					0430 10,6		
	437	♀						0450 10,12	0455 10,12	
*	0020		M						0435 9,5	New annual, natural ear notch #0020
	No tag		Sub						0500 10,14	

RIBBLE, D.O. 1986

JOURNAL - GRID DATA

(1)

Hastings Reservation, Monterey Co., CA.

GRID RC-1 (Robertson Creek): P. californicus only

Species	No.	Sex	Age	Brdg	1	2	3	4	5	6
P. californicus	8444	♂	M	No (Keshes pea size)	5,14	6,14	0225 7,16			0455 7,16
	6008	♂	I	No	5,13	6,13			0000 5,17	
	2648	♂	M	No (Keshes pea size)	4,13	7,16	0230 5,17	6,15	0000 6,13	0515 5,14
	2649	♂	M	No	4,11	5,10	0325 5,10		0000 6,11	
	835	♀	M	Post-backfins	5,10	6,10 #1	0315 6,11	5,10	0045 5,10	0540 6,11
	845	♀	M	No, Parous	8,12	7,15	0330 5,17		0005 6,15	0610 7,15
*	6009	♀	I	No, multiparous	8,13	6,13	0250 6,13	5,14	0020 6,13	0515 6,14
	6089	♀	M	No, ~~options~~ multiparous		8,16	0230 6,17	7,16	2345 9,17	0450 8,17
	6010	♀	M	Refugee.		8,15				
? *	6013	♀	Sub.	No, multiparous		7,11	0315 6,11		0030 6,11	
*	6015	♂	M	No			3420 9,17		0010 8,15	
*	6014	♀	early M	No, multiparous			0320 6,10		0025 5,12	
*	6018	♂	Im	No			0335 7,10			

Comments
white pad Rt ~ 7mm.
should be 8444
0220 - ESE clipped previously
1 Oct 87 GRESSWELL

Dusky Seaside

Previously ear clipped # 0130

Previously ear clipped # 0110

Previously ear clipped # 0120
DUSTED 12 Oct

Previously ear clipped # 0200

Missing left ear

SEE SPP ACCOUNTS (Aug 23)

Tag # missed 77 Oct 6/8 is Dorsal, ~~Marginal~~ ESE

Aug 23 (late)
Aug 23 (early)
Aug 22 (late)
Aug 22 (early)
Aug 21
Aug 20

RIBBLE, D.O. 1986

Journal - Grid Data

(2)

Hastings Reservation, Monterey Co., CA.

Grid RC-1 (Robertson Creek): P. boylii only

Species	No.	Sex	Age	Brds	1	2	3	4	5	6	Comments
					Aug 20	Aug 21	Aug 22 (early)	Aug 22 (late)	Aug 23 (early)	Aug 23 (late)	
P. boylii	0320	♂	M	No	7,14	8,14	0350 8,14			0605 8,14	
	0200	♂	M	No	5,14		0345 8,12				
	0400	♀	M	visible cuts on pinnae	6,11	6,11	0330 7,11		0055 7,10	0555 7,9	Previously T-C #01000, must be natural
*	01300	♂	M	No, lesions on tail	5,10	5,10			0540 6,10		
	0230	♂	M	No	7,9						
	0440	♂	M	No	8,12		0345 8,12				
*	01310	♀	M	No, aspects malformed	5,16						Already missing 01000 toe.
*	01320	♂	M	No, lesions very tiny	5,15		0300 5,13	5,13	0015 5,14	0505 5,15	
*	01330	♀	M	No, pinnae	5,14					0525 5,13	
	0130	♂	M	No	8,10		8,10		0100 8,10	0000 8,10	
	0200	♀	M	No, pinnae	8,12				0110 8,13		
	0440	♂	M	No	8,12						
*	01410	♂	M	No			0305 5,11		0030 5,11	0530 5,11	
	0330	♂	M	No			0340 8,10				
*	01340	♀	M	No, pinnae				5,11			Previously toe clipped
	0340	♂	M	No				8,14	0110 8,14		
	0310	♀	M	? possible early pregnancy, pinnae					2355 6,17	0455 6,17	
*	01420	♂	M	No						0500 5,16	
	0490	♂	M	No, freckles						0540 6,11	

Hastings Reservation, Monterey Co., CA — Louiswac - Laird Data

GRID DA-1 (Robertson Creek): Misc

Tibbets
D.O.
1986

Species		No.	Sex	Age	Brdg	Occ 1	2	3	4	5	6	Comments
						Aug 20	Aug 21	Aug 22 (early)	Aug 22 (late)	Aug 23 (early)	Aug 23 (late)	
N. fuscipes	*	611	♀	early M	No, nulliparous	5,13	5,13	0300 5,12		0025 5,12		Has hole in rt. ear. 3-left in trap
Perognathus californicus		0130	♂	M	No	6,13		0225 7,16		2350 7,16	0510 7,15	
P. maniculatus	*	0200	♂	M	scrotal testes	6,10 ~~5,11~~	6,10 5,11	0320 6,10	6,10	0045 6,10		Toe-clipped
N. fuscipes					Sub	8,10						Escaped down to nest by stream immediately N of station
S. townsendii		0100	?	M(?)			7,10					Couldn't tell sex
N. fuscipes				M			8,10					Left ear badly nipped
N. fuscipes	*	617	♂	M	Nonbreeding			0220 7,17		2350 7,17		Left in traps at 0220.
N. fuscipes	*	644	♀	early M	No, appears nulliparous			0540 7,9			0605 8,12	Left in trap at 0540
P. maniculatus	*	0210	♂	early M	No					0000 5,17		Now-tc
Perognathus californicus	*	0140	♂	M	No					0025 5,11		
"	*	0200	♀	M	No					0100 7,9		
"	*	0210	♂	M	No					0105 8,12		
M. californicus	*	6045	♀	M	No, appears nulliparous						0515 5,14	
R. megalotis	*	0100	♀	I	No, nulliparous						0525 6,13	T.C.
Perognathus californicus	*	0220	♀	I	No						0530 5,11	T.C., hung, about 10g.
N. fuscipes	*	641	♀	M	Nonbreeding, parous						0545 5,10	

Tibbitt, D.D.
1986

Hastings Reservation, Monterey Co., Calif.

GRID MIC-1 : Peromyscus californicus only

PCMC1G.DAT

JOURNAL - GRID DATA

Species		No	Wt.	Sex	Age	Brdg	Dec 1	2	3	4	5	6	Comments
							17 Dec (night)	18 Dec (AM)	19 Dec (AM)	20 Dec (AM)			
P. californicus		1991	45	♀	M	perforate, parous	2050 10,7						previously bled (p6)
		471	38	♂	early M	No	2100 10,10	9,10					p.6. Dusted ORANGE
		843	38	♂	M	No	2105 10,13			9,13			p6.
		772	475	♀	M	perforate, parous	2110 10,14						about to lose tag, t.c # 0050 p6.
		757	41	♀	M	perforate, parous (wide)	2125 8,8		0620 7,9	8,8			p6.
		1987	37.5	♂	M	No (close)	2135 8,13		0600 10,13				DON'T HAVE BLOOD
		796	41.5	♀	M	Perforate parous		10,6					DUST-GREEN
		737	34	♀	early M	imper, milk parous			0525 9,5	8,5			p.6.
	(N)	1018	~~325~~	♂	Juv	No			0605 10,14	10,14			
		768	41	♂	M	scrotal			0605 9,14				p.6.
	(N)	1021	30	♀	Sub	imperf milk, parous				9,10			
		1935		♂	M	Nonbreeding				8,13			

(1)

365
6
270

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1986

Hastings Reservation, Monterey Co., Calif.

GRID MC-1: Peromyscus boylii only

Journal - Grid Data

(2)

t.c - 01400
~~01410~~
01420
1443
1444

Species	No.	wt	Sex	Age	Brdg	Occ 1	2	3	4	5	6	Comments
P. boylii	01000	21	♀	M	imperforate, parous (post-estrus)	2040 B,5						ear tag loss, previously t.c. (was 761) ✓
	480	22	♀	M	imperf nulliparous	2110 10,14						✓
	741	21	♀	M	imperf nulliparous	2130 B,11		0620 B,9	6,8			✓
	444	23.5	♂	M	No	2140 6,14	6,14	~~0635~~ 6,14	6,14			✓
	446	21	♀	M	imperf parous	2145 5,8		0645 6,8				✓
~~P. truei~~	N 02120	17	♂	M	No		~~10~~ 11					unsure ID, ear = 21-5 n.f = 23 ~~P. truei~~
	0240	19	♀	M	imp, parous		10,12		10,11			Double-check ID ~~P.b~~ ~~P.t~~ P. truei
	A69	24	♀	M	imp parous		B,8	0615 7,8	7,8			✓
	787	22	♀	M	imp, nulliparous		5,10	0640 5,10	5,10			✓
	N 02010	25	♂	M	ab			0550 9,5				ear clipped 0200(?) Double-check ~~See #1992~~
	2640	22	♂	M	No			0540 10,8				t.c 0140, about to lose tag Double-check listed as P.T.
N	01410	22	♂	M	No			0555 10,11				
	743	22	♂	M	No			0625 7,10	8,9			✓
	0200	25	♀	M	imp, parous			0630 8,14				ear tag loss, previously toe clipped
	480	24	♀	M	imp, nulliparous			0630 B,14				✓
	N 02100	19	♀	M	imp, nullip.			0640 5,14				
	0220	22	♀	M	imperf., parous		10,7	0550 10,10				ear tag loss previously toe clipped
	02440		♂	M	No				7,10			already t.c # 0400(?), white streak on top of tail near tip
N*	01420		♂	M	No				7,5			ear tag loss, not previously t.c. White spot on tail 20mm from tip
N*	01430		♀	M	imp, parous				5,14			"missing" tip (20mm) of tail

P. trivi – 0120
0130
0140
0200
0210
0220

Species		No.	Wt.	Sex	Age	Brdg	Dec	1 17 Dec (night)	2 18 Dec (AM)	3 19 Dec (AM)	4 20 Dec (AM)	5	6	Comments
P. trivi		476	25	♂	M	No		2050 10,7	10,7		10,7			About to lose tag; t.c 040 ✓
P. trivi		0240	20.5	♀	M	imperforate parous		2105 10,11						✓
~~P. trivi~~ P. boylii		0820	22	♀	M	imp. multiparous			10,5	0535 10,5				Double-check – P. boylii
N. fuscipes		736		~~♂~~	Sub				10,6		10,6			
P. trivi		0210	24	♀	M	imp, parous			10,7	0550 10,10				✓ ear tag loss, previously t.c. ~~P. boylii~~ Double check ~~P. boylii~~ ✓✓ P. trivi
N. fuscipes		742			Sub				5,8					
P. trivi	(Nte)	0110	25	♀	M	imp, nulliparous				0540 10,8	10,7			ear tag loss, not previously t.c. ✓
N. fuscipes		1954								0545 10,9	10,9			
N. fuscipes		none								0600 10,14	10,14			rtea (?)
" "		2638								0630 7,13				
" "	N	1019		♀	M	imp. parous				0650 5,8	5,8			
P. trivi	N	02120	17	♂	M	No			10,11		10,11			✓
P. trivi		0130		♂	M	No					10,5			lost ear tag, previously t.c.
N. fuscipes		775									10,12			
N. fuscipes		?42									9,8			didn't get all of tag.

Hastings Reservation, Monterey Co., Calif.
GRID MC-1: miscellaneous

JOURNAL - GRID DATA

Ribble, D.O. 1986

Hastings Reservation, Monterey Co., Calif. — Journal - Grid Data

Grid RC-1; P. californicus only

Species		No	Wt.	Sex	Age	Brdg	Occ	1	2	3	4	5	6	Comments
								18 Dec (AM)	18 Dec (early night)	19 Dec (AM)	19 Dec (PM)	20 Dec AM		
P. californicus		844	38.5	♂	early M	No (close)		6,16	6,17 2050	7,17	6,17	6,15		p.6. } on 5 caught P.c. that escaped before id at 7,16
		609	39.5	♀	M	imp (post estrus) parous, perforate		6,15	6,15 2110	6,16	7,17 2100	7,16 (?)		
*	not NDS	N 1014	35	♂	late-M sub	No		6,14	forgot to record	5,13	6,14	6,13		ear tag loss; previously ear cl. speed 0300, (small notch in left ear at 0220) Check ?? possibly 0330)
		1004	38	♀	early M	imp, null. parous		5,14	5,13 2125	3,14	5,13			p.6.
	N	1009	30	♀	sub	null. parous		5,13		6,13	6,13			escaped N towards creek
	N	1010	32	♂	sub	No		6,13				8,12		
		1013 (1011)	37	♀	early M	imperf. parous (small notch)		5,11		6,11				About to loose tag, retagged left ear #1011
	N	1012	29.5	♂	sub fert.	No		6,10		6,11	6,11	6,11		No pigment - Orange on ears, head, tail, feet, penis red from anus *
		1001	40	♀	M	imp, parous		2105 5,16	5,17		5,16	5,17		p.6.
	N	1015	34	♂	sub	No			2130 6,13	5,16	5,15	5,13		Dusted Red 4-os escaped into middden by station
	N	1016	24	♀	sub	imp multiparous			2150 6,11		6,10			Dusted Orange - escaped to stupstream bank
	N	1017	30	♂	sub fert.	No			2200 8,10			5,12		Dusted Red - escaped down hill
		835	49	♀	M	perforate parous (tears inter. sculla)				6,10	6,11	5,10		Couldn't feel any young, p.6.
	N	1020	38	♂	early M	No						6,10		

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JOURNAL-GRID DATA

Hastings Reservation, Monterey Co., Calif.

GRID RC-1; *P. koylii* only

Species	No	wt.	♀♂	dsx	Bdg	Dec 1	2	3	4	5	6
						18 Dec (AM)	18 Dec (early night)	19 Dec (AM)	19 Dec (PM)	20 Dec (AM)	
P. koylii	0310	28.5	♀	M	imp. pouches	7,17	2100 6,16	6,17	8,16		
N	01400	20	♀	early M	imp. multip.	6,17					
N	01410	29	♂	M	No	6,17		6,17			
	01320	24	♂	M	No	5,15		6,16	6,15	5,16	
N	01430	23	♀	M	imperf. multiparous (?)	7,13					
	0130	22	♂	M	No	5,10	2140 6,10				
	01100	21	♀	M	imp pouches	7,11	2155 7,11	7,11	7,11		
	0330	22	♂	M	No	8,10	2155 7,11			7,11	
	0320	22.5	♂	M	No	8,14	2115 6,14		~~6,10~~	6,16	
	0200	24	♀	M	imp. pouches		2210 8,13				
	0440	24	♂	M	No			7,15			
N	01440	21	♂	early M	No			5,11			
N	02100	22	♀	M	imp. pouches			5,11			
N	02120		♂	M	No				5,11	5,11	
	0430		♂	M	No				.	7,17	
N	02130		♀	M	imp pouches					8,17	
N	02140		♂	M	No					5,16	
	01310		♀	M						5,10	

Comments

left ear w/ 6.5 notch B

tail cut off

body fully fat # 00400 was clipped too
recl. pred 01100

Reversed t.c

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JOURNAL - GRID DATA

Hastings Reservation, Monterey Co., Calif.

GRID RC-1 ; misc.

	Species	No.	cf.	Sex	Age	Brdg		18 Dec (Am) Dec	18 Dec (early night) 1	19 Dec (AM) 2	19 Dec (PM) 3	20 Dec (AM) 4	5	Comments
1	N. fuscipes	1000		♂	M	No		9,17		9,17		9,17		1-exposed Dunbolton 64917
2	Perog. californicus	0400	21	♂	M	No		8,16	2055 8,17	8,15	8,10 8,17			
3	M. californicus	0200	58	♂	M	No		5,17		5,17	5,14			
4	P. maniculatus	0210	19	♂	M	No		5,16			6,17	5,15		
5	M. californicus	0645	43	♀	M	imp. mill/pam (?)		5,14	2125 5,13	6,15	6,15			
6	N. fuscipes	0611						5,12						
7	S. trowbridgii	0200	6	?	M.	No		5,11						
8	N. fuscipes	1013		♀	M	imp, mill/p		7,10	2200 7,10	7,10	7,10			
9	Perog. californicus	0200	23	♀	M	imp, par/mes		8,11						
10	Perog. Californicus	0300	22	♂	M	No		8,12						
11	Perog. californicus	750	224	♂	M	Non		6,11						
12	M. californicus	0400	54	♀	M	imp, par/mes			2120 5,14		5,14			
13	S. trowbridgei	0100	7	♀	M					8,17				
14	N. fuscipes	dight tag										8,15	7,15	
15	"	"										7,16		
16	S. trowbridgei	0300	16	♂ (?)								6,14		
17	N. fuscipes	on notebook		♀	M	imp						5,10		
18	"	N	dight tag									8,13		

Species Accounts
1986

Rubble, D.O. 1986

Perognathus californicus

Hastings Reservation, Monterey Co, CA

June 5 — #0100, ♀, mature, early pregnancy toe-clipped & released, Trapline III, station 4 at edge of chamise, top of Haystack Hill

#0110, ♂, mature, nonbreeding, 176-105-25-9 toe-clipped & released, Trapline I #10, under chamise at edge, bottom of Haystack Hill

June 6 — #0120 ♀, adult, pregnant 131-49-25-11* toe-clipped & released. Trapline I, #6, edge of chamise at bottom of Haystack Hill

June 7 — #0130 ♀, mature, nipples very swollen, but not lactating. Toe-clipped & released. Trapline III, st. #10, edge of chamise, top of Haystack Hill

June 26 — #0100 ♂, mature, nonbreeding. Toe-clipped & released. Grid MC-1 (Madrone Canyon), station 8,13.

June 29 — #0100 ♀, mature, vulva perforate. Toe-clipped & released. Trapline IIII. Finch Creek ~~near~~ below confluence with Robertson Creek

June 30 — #0200 ♀, mature, parous. Toe-clipped & released. Trapline IIII. Finch Creek below confluence w/ Robertson Creek

RIBBLE, D.O. 1986

DIPODOMYS VENUSTUS

Hastings Reservation, Monterey Co, CA.

June 5 #1919 - ♂, mature, scrotal testes, Chaparral Calhoun Line, #3

June 6 (#1919 - station #8, testes scrotal)

June 7 (#1919 - station #7)

RIBBLE, D.O. 1986

PEROMYSCUS BOYLII

Hastings Reservation, Monterey Co., CA.

June 5

#1922 ♀, mature, vulva intermediate open, 178-89-22-19 ear tagged & released, Trapline I #7, bottom of chamise on Haystack Hill - see Journal (captured w/ 1924)

#1924 ♂, mature, scrotal testes 166-87-22-19 ear tagged & released, Trapline I #7, bottom of chamise on Haystack Hill - see Journal (captured w/ 1922)

#1940 ♀, mature, vulva closed 186-100-22-20 Ear tagged & released, Trapline II, Madrone Canyon #10

June 6

#1947 ♂, mature, nonbreeding. 182-93-22-21. Ear tagged & released. Chaparal Calhoun line #10.

#1955 ♂, mature, nonbreeding, 178-89-22-19 Ear tagged & released. Trapline II (Madrone Canyon) #4 As with others of this species, has habit of rolling tail in circular motion.

#1956 ♀, mature, vulva intermediate. Tail broken. Ear tagged & released. Trapline II, #5.

#1958 ♂, early mature, nonbreeding 175-94-22-20. Ear tagged & released. Trapline II #8.

(#1940 - recapture, same location as June 5).

June 7

(#1947 - station #10)

#1963 ♂, mature, scrotal testes. 189-98-22-21. Ear tagged & released. Trapline #II, #-4. Madrone Canyon

#1968 ♂, late subadult. 179-95-23-21. Molt line ~15 mm from tail with grey on rear, brown anteriorly. Trapline II, #0. T&R.

#1969 ♀, mature, vulva open & crusty. 192-97-22-21. Tagged & Released. Trapline II, #1

#1970 ♂, early adult, nonbreeding. 180-91-22-19.5 Tagged & Released. Trapline II, #2

#1974 ♂, mature, scrotal testes. 197-104-22-20. Tagged & Released Trapline II #5

#1975 ♂, late subadult, nonbreeding. 181-95-23-20. Tagged & Released. Trapline II #6

#0100 (toeclip) ♀, juvenile, all grey. 144-70-21-19.5. Toe clipped & Released. Trap line II #6

#1976 ♀, mature, vulva open & crusty. 180-96-22-21. ~~Toe clipped~~ Tagged & released. Trapline II #8

#1978 ♀, mature, vulva closed. 182-95-22.5-21. ~~Toe clipped~~ Tagged & released. Trapline II #9. Caught in same trap as 1977 (below)

#1977 ♂, mature, nonbreeding 190-100-23-21. Tagged & released Trapline II #9. Caught in same trap as 1978.

(#1940 - recapture, station 10)

#1982 ♂, mature, nonbreeding 188-96-23-19.5 Tagged & released. Trapline II #12

#1984 ♂, late subadult. 180-89-23-21 Tagged & released. Trapline II #12

#1986 ♀, mature, nonbreeding. Tagged & released. Trapline II, #13.

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Peromyscus boylii (con't-2)

Hastings Reservation, Monterey Co., CA.

June 7 (con't) The following are capture results gathered at night beginning at 2246h.

#1988 ♀, mature, nipples swollen but not lactating. Tagged & released. Trapline V, Madrone Canyon, st# -4-

(#1963 - recapture, st# -4)

#1989 Apparently, I forgot to record any data. Tagged & released. Trapline V, Madrone Canyon, #-3.

(#1968 - recapture, st #0)

(#1969 - recapture, st #1)

#1990 - ♂, subadult pelage. Time 2315h. Tagged & released. Trapline V, Madrone Canyon, st #1.

T.C. #02000 19 Aug → June 8 #1992 - ♀, mature, vulva open but nulliparous. Tagged & released. Trapline V. Madrone Canyon, st #5.

(#0100 - toe clipped, recapture, st #6)

(#1940 - recapture, station 10)

#1996 - ♂, mature, nonbreeding. Tagged & released. Trapline V, Madrone Canyon, st. #11

(#1982 - recapture, station 12)

#1997 - ♀, mature, vulva open. Tagged & released. Trapline V, Madrone Canyon, st #12)

(#1986 - recapture, station 13)

#1999 - ♂, mature, swollen testes but not scrotal. Tagged & released. Trapline V, Madrone Canyon, st #15.

#2000 - ♀, mature, vulva open. Tagged & released. Trapline V, Madrone Canyon, st #15.

June 25 Note: From this date on, only the first capture will be recorded in spp. accts.

#732 ♂, mature, testes swollen but not scrotal. Ear tagged & released. Grid MC-1 (Madrone Canyon), 5,5.

#733 ♂, mature, nonbreeding. Ear tagged & released. Grid MC-1, 7,6.

#734 ♂, subadult, nonbreeding. Ear tagged & released. Grid MC-1, 7,6

#735 ♂, mature, nonbreeding. Ear tagged & released. Grid MC-1, 8,5.

#741 ♀, mature, nonbreeding. Ear tagged & released. Grid MC-1; 6,8. Escaped up into oak.

#743 ♂, mature, testes swollen but not scrotal. Ear tagged & released. Grid MC-1; 7,9.

#744 ♂, late subadult, nonbreeding. Ear-tagged & released. Grid MC-1. 7,9

#0100 ♀, immature, nulliparous. Toe-clipped & released. Some brown on sides. Grid MC-1, 6,14.

#748 ♀, mature, vulva closed. Ear-tagged & released. Grid MC-1, 8,14.

#749 ♂, early subadult, nonbreeding. Ear-tagged & released. Grid MC-1, 9,14.

725 (coll no.) ♀, mature, nulliparous. Snap trapped. See Journal.

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PEROMYSCUS BOYLII (cont. 3)

Hastings Reservation, Monterey Co., CA.

June 26 #755 ♂, early mature, nonbreeding. Ear tagged; released. Lost posterior of tail in trap door. Grid MC-1;

#756 ♀, mature, vulva perforate, parous. Ear tagged; released. Grid MC-1, 5,5

#0200 ♀, immature, nulliparous - Toe-clipped; released. Grid MC-1; 7, 6

lost ear tag +.c # 01000

#761 ♀, mature, vulva closed. Ear tagged; r. Grid MC-1; 10, 5

#771 ♀, mature, vulva crusty. Ear-tagged; r. Grid MC-1; 9,14

#780 ♂, mature, nonbreeding. Ear-tagged; released. Lost posterior of tail, only ~20mm left. Grid MC-1; 8,10

#784 ♀, mature, vulva slightly open, nulliparous. Ear-tagged; released. Grid MC-1; 8,7.

#0300 ♀, immature, nulliparous. Toe-clipped; released. Grid MC-1; 7,7

#785 ♀, subadult, nulliparous. Ear tagged; released Grid MC-1; 5,7

#787 ♀, subadult, nulliparous. Ear tagged; released. Grid MC-1; 5,9

#0100 ♂, subadult nonbreeding. Toe clipped; released. Trapline VII, Robertson Creek Canyon

#0110 ♀, mature, vulva perforate, nipples porous. Toe-clipped; released. Trapline VII, Robertson Creek Canyon.

#0120 ♀, mature, vulva intermediately open. Toe-clipped; released. Trapline VII, Robertson Creek Canyon

#0130 ♂, mature, testes swollen but not scrotal. Toe-clipped; released. Trapline VII, Robertson Creek Canyon.

#0140 ♀, mature, Pregnant (palpable embryos). Toe-clipped; released. See Journal - Trapline VII, Robertson Creek Canyon.

#0200 ♂, mature, testes scrotal but very soft. Toe-clipped; r. Trapline VII, Robertson Creek Canyon.

#0210 ♂, early mature, non-breeding. Toe-clipped; r. Trapline VII, Robertson Creek Canyon. Caught in same trap as #0220 ↓

#0220 ♂, mature, testes swollen intermediately. Toe-clipped; released. Trapline VII, Robertson Creek Canyon. Caught in same trap as 210.

#0230 ♀, mature, vulva closed, parous. Toe-clipped; r. Trapline VII, Robertson Creek Canyon - Lost rear of tail.

#0240 ♂, mature, testes intermediate swollen. Toe-clipped; r. Trapline VII, Robertson Creek Canyon

727 (coll no.) ♂, mature, nonbreeding. Snap trapped. See Journal or Catalog.

lost tag; ear clipped #01420 on 20Dec

June 27 #791 ♂, mature, nonbreeding. Ear-tagged; released. Grid MC-1, 5, 5. White spot on tail 20mm from tip

#792 ♀, early mature, perforate, nulliparous - Ear-tagged; released. Grid MC-1; 8,4

#794 ♂, mature, nonbreeding - Grid MC-1, 8, 6. ET; R.

#439 ♀, early subadult, nulliparous. Grid MC-1. ET; R st 9,14

#441 ♂, early mature, nonbreeding. ET; R. Grid MC-1, 9,11

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PEROMYSCUS BOYLII (cont-4)

Hastings Reservation, Monterey Co., CA.

June 27 (cont)	#442	♀, mature, perforate. Ear tagged & released. Grid MC-1 (9,11)
	#443	♀, mature, nulliparous - E.T. & R. Grid MC-1 (8,12)
	#444	♂, mature, nonbreeding. ET & R. Grid MC-1 (6,12) Missing posterior of tail
	#445	♀, mature, nonbreeding, nulliparous - ET & R - Grid MC-1 (6,11)
	#446	♀, early mature, nulliparous - ET & R - Grid MC-1 (5,7)
	#0300	♂, subadult, nonbreeding. Toe-clipped & released. Trapline III, Robertson Creek.
	#0310	♀, mature, nulliparous. Toe-clipped & released - Trapline III, Robertson Creek
	#0320	♀, mature, perforate - Toe clipped & released. Missing posteria of tail Trapline III, Robertson Creek
June 28	#448	♂, early mature, nonbreeding. Ear tagged & released. Grid MC-1 (5,5)
	#469	♀, late subadult, nulliparous ET & R. Grid MC-1 (5,6)
	0310	♀, immature, nulliparous - Toe-clipped & released. Grid MC-1 (10,5)
	473	♀, mature, nonbreeding, nulliparous. ET & R - Grid MC-1 (8,13)
	474	♀, subadult, nulliparous. ET & R - Grid MC-1 (6,8)
June 29	478	♂, mature, nonbreeding. ET & R Grid MC-1 (10,11)
	479	♂, mature, nonbreeding - ET & R. Grid MC-1 (9,14)
	480	♀, mature, nulliparous - ET & R. Grid MC-1 (9,14)
	494	♂, mature, nonbreeding ET & R Grid MC-1 (8,8)
	481	♀, mature, vulva crusty, nulliparous. ET & R. Grid MC-1 (7,8)
	499	♀, mature, nulliparous. ET & R. Grid MC-1 (7,10)
	491	♂, mature, testes swollen, nonbreeding ET & R. Grid MC-1 (6,11)
	486	♂, mature, nonbreeding. ET & R. Grid MC-1 (8,14)
	492	♂, early mature, nonbreeding. ET & R. Grid MC-1 (7,13)
	490	♀, mature, vulva crusty. ET & R. Grid MC-1 (5,14)
	0100	♂, late subadult, nonbreeding. Toe-clipped & released. Trapline VIII, Finch Creek.
	0110	♀, mature, vulva perforate, parous. Toe-clipped & released. Trapline VIII, Finch Creek

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PEROMYSCUS BOYLII (cont-5)

Hastings Reservation, Monterey Co., CA.

June 29 (cont) #0120 ♀, mature, perforate, parous. Toe-clipped & released. Trapline VIII Finch Creek. Tail shortened

0140 ♂, mature, testes swollen but not scrotal. T.C. & R. Trapline VIII Finch creek.

0130 ♂, early mature, nonbreeding. T.C. & R. Trapline VIII, Finch Creek

0200 ♀, immature, nulliparous. T.C. & R. Trapline VIII, Finch Creek

0220 ♂, mature, testes swollen but not scrotal. T.C. & R. Trapline VIII, Finch Creek.

0210 ♀, mature, pregnant (2 ~~fetuses~~ fetuses palpable). T.C. & R. Trapline VIII, Finch Creek

0230 ♀, early mature, nulliparous. T.C. & R. Trapline VIII, Finch Creek.

0240 ♂, early mature, nonbreeding. T.C. & R. Trapline VIII, Finch Creek.

0300 ♀, mature, perforate, parous. Mammae very swollen. T.C. & R. Trapline VIII, Finch Creek

June 30 #497 ♀, mature, nulliparous. Ear tagged & released (ET & R.) Grid MC-1 (9,7)

500 ♂, early mature, nonbreeding. ET & R. " (9,6)

488 ♀, mature, nonbreeding, Parous. ET & R " (9,5)

487 ♂, mature, nonbreeding. ET & R " (5,6)

493 ♂, mature, nonbreeding. ET & R " (7,5)

495 ♀, mature, nonbreeding, nulliparous. ET & R " (8,7)

2629 ♂, immature, nonbreeding. ET & R. " (10,5)

2630 ♀, early mature, nulliparous. ET & R " (10,13)

2631 ♀, mature, nonbreeding, Parous. ET & R " (9,11)

2632 ♀, late subadult, nulliparous. ET & R " (8,11)

0310 ♂, subadult, nonbreeding. Toe-clipped & released (TC & R) Trapline VIII, Finch Creek

0320 ♀, mature, vulva perforate, nulliparous. TC & R. shortened tail. "

0330 ♂, mature, nonbreeding. T.C & R "

0340 ♂, Mature, nonbreeding. TC & R "

0400 ♂, early subadult, nonbreeding. TC & R. "

0410 ♂, mature, nonbreeding. TC & R "

0420 ♀, mature, pregnant. TC & R "

0430 ♂, mature, testes a bit swollen but not breeding. TC & R "

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PEROMYSCUS BOYLII (cont-6)

Hastings Reservation, Monterey Co., CA.

July 1	#2635	♂, mature, no testes apparent. Ear tagged & released. (ET & R)	Grid MC-1	(10,9)
	26360	♂, mature, nonbreeding. E.T. & R.	"	(10,10)
	2637	♂, mature, nonbreeding, testes a bit swollen. ET & R	"	(7,10)
	2639	♂, mature, nonbreeding. ET & R	"	(5,14)
July 2	0210	♂, mature, nonbreeding. ~~E.T. & R.~~ Toe-clipped & released. Transect MC-1 (A), station 6. (Transect off of Grid MC-1)		
	0220	♀, mature, vulva closed. TC & R.	"	, station 6.
	0230	♂, early mature, nonbreeding. TC & R	"	, station 8.
	0300	♂, mature, nonbreeding. TC & R. Transect MC-1 (B), station 6.		
	0100	♀, mature, vulva closed, parous. TC & R	Transect IX, Finch Creek Canyon on highway	
	0110	♂, mature, non breeding. T.C & R Tail bulged 4/5mm from body.	"	"
	0120	♂, mature, nonbreeding T.C & R CAUGHT in same trap as # 0130	"	"
	0130	♀, mature, vulva closed, parous. T.C & R CAUGHT in same trap as #0120	"	"
	0240	♂, mature, scrotal testes. T.C & R. Tail shortened	"	"
	0300	♀, mature, vulva closed, nulliparous. TC & R	"	"
	0200	♂, mature, testes swollen but non breeding. TC & R	"	"
July 3	839	♂, mature, nonbreeding. Ear tagged & released.	Trapline MC-1 (A),	station 5.
	840	♀, mature, vulva closed, parous. ET & R.	"	station 6.
	0400	♀, subadult, nulliparous. Toe-clipped & R.	Trapline MC-1 (B),	station 3
	0100	♀, mature, pregnant. T.C & R.	Trapline X, Robertson Creek	
	0110	♂, early mature, nonbreeding. TC & R	"	" station #1
	0110	♂, mature, scrotal testes. TC & R (should have clipped 0120)	"	" Station #16
	0130	♂, mature, nonbreeding. TC & R Bulge in tail close to base.	"	"
	0140	♀, mature, vulva perforate, parous. TC & R	"	"
	02200	♂, mature, testes a bit swollen but nonbreeding. TC & R	"	"
	0100	♂, mature, nonbreeding. T.C. & R.	Trapline XI,	½ way up Arnold Rd.

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Peromyscus boylii (Lot - 7)

Hastings Reservation, Monterey Co., CA.

July 3 (cont)	0100	♂, mature, nonbreeding. Toe-clipped & released. Trapline XIII, West Ravine (TC & R)		
	0110	♂, immature, nonbreeding. TC & R.	"	"
	0120	♂, immature, nonbreeding TC & R	"	"
	0130	♀, mature, vulva scabby, parous. TC & R	"	"
	0140	♀, immature, nonbreeding. TC & R.	"	"
	0200	♀, mature, ~~early pregnancy~~ nonbreeding TC & R	"	"
July 4	0200	♀, mature, vulva closed, parous. TC & R. Trapline X, Robertson Creek Canyon.		
	0230	♀, mature, vulva crusty, parous TC & R	"	"
	0240	♂, immature, nonbreeding. TC & R	"	"
	0300	♂, mature, nonbreeding. TC & R	"	"

Notes on P. boylii: Of all the Peromyscus, boylii is by far the most nervous & aggressive. It is the hardest to handle & tries to bite any chance it gets. It always hops & escapes off scrubby when released. ~~Morphologically~~ Given the number of captures & lack of long term recaptures, they seem to be very transient. Morphologically, boylii can be distinguished from truei by its shorter ears, and the skin of the pinnae is thicker & smooth. Truei's ears are generally wrinkled. Finally, the tail of boylii is unique - it's the longest of the Peromyscus, and is very easily lost as witnessed by handling & the number of individuals caught with shortened tails.

July 25	0110	♀, immature, nulliparous. 12g. Toe-clipped & released.	Grid MC-1 (Madrone Canyon)			St. 5,5
	0120	♂, early mature, nonbreeding. 19g.	"	"	"	10,8
	0210	♀, mature, nonbreeding. 22g Previously tagged, but lost it.	"	"	"	8,13
	0220	♂, early mature, nonbreeding	"	"	"	8, 13
July 26	0340	♀, mature, nonbreeding, parous, 24g	"	"	"	10, 13
	0230	♂, mature, nonbreeding, 21g Previously eartagged but lost it	"	"	"	? ?
	0230	♀, mature, nonbreeding, appears parous Previously eartagged but lost it	"	"	"	8, 14

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PEROMYSCUS BOYLII (Con't-8)

Hastings Reservation, Monterey Co., CA.

July 25 (con't)	0310	♀, mature, pregnant, 34g. Toe-clipped & released	"	Trapline X, (Robertson Creek)	st #1	
	0320	♂, mature, nonbreeding, ~~20g~~ 20.5g	"	"	"	#2
	0330	♂, mature, nonbreeding, 22g	"	"	"	#6
	0400	♂, mature, nonbreeding, 26g	"	"	"	#9
	0410	♀, mature, nonbreeding, parous, 24g	"	"	"	#10
July 26	0340	♀, mature, nonbreeding, parous, 24g.	Toe-clipped & released	Grid MC-1 (Madrone Canyon		#. 10, 13
	0230	♂, mature, nonbreeding, 21g. Previously ear tagged, but lost it	"	"		7, 7
	0230	♀, mature, nonbreeding, parous Previously ear tagged, but lost it	"	"		8, 14
	0420	♂, mature, nonbreeding, 23.g. Toe-clipped & released.		Trapline X, (Robertson Creek)		st. - 2
	0430	♂, " " , 24g.	"	"		0
	0440	♂, mature, nonbreeding	"	"		3
	~~0440~~ 0400	♂, subadult, nonbreeding	"	"		4
	01100	♀, early mature, appears nulliparous	"	"		5
	01200	♂, subadult, nonbreeding	"	"		10
July 27	01200	♂, mature, testes swollen but not scrotal	"	"		3C
	01300	♀, early mature, nulliparous	"	"		1B
	0300	♀, immature, nonbreeding, parous	"	Grid MC-1 (Madrone Canyon)		st. 9, 14
Aug 19	0400	♂, early mature, nonbreeding	"	"		st. 8, 12
Aug 20	0410	♀, mature, nonbreeding, parous	"	"		9, 14
	01400	♀, mature, crusty vulva, Parous	"	Grid RC-1 (Robertson Creek)		st. 6, 11
	01300	♂, mature, nonbreeding, testes a bit swollen	"	"		5, 10
Aug 21	01310	♀, mature, nonbreeding, appears nulliparous	"	"		5, 16
	01320	♂, mature, nonbreeding	"	"		5, 15
	01330	♀, mature, nonbreeding, parous	"	"		5, 14
	0420	♀, mature, nonbreeding, parous	"	Grid MC-1 (Madrone Canyon)		10, 11
Aug 22	0430	♂, mature, nonbreeding	"	"		8, 10
	0440	♀, mature, nonbreeding, appears nulliparous	"	"		8, 12

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PEROMYSCUS BOYLII (cont-9)

Hastings Reservation, Monterey Co., CA.

Aug 22 (cont)	# 01340	♀, mature, nonbreeding, parous. Toe-clipped & released.	"	Grid RC-1 (Robertson Creek)	st. 5,11
Aug 23	# 01420	♂, mature, nonbreeding.	"	"	st. 5,16
Oct 17	# 01100	♀, mature, nonbreeding, parous. 21g	"	MC-1	st 8,13
Nov 7	01200	♂ mature, nonbreeding 24g - Previously ear-tagged, but lost it	"	"	7,6
	01300	♂, mature, nonbreed. 25g - Previously ear-tagged, but lost it		"	10,5
Dec 18	01400	♀, early mature, nulliparous 20g. (Left ear notched)	"	GRID RC-1 (Robertson Creek)	6,17
	01410	♂, mature, nonbreeding 29g	"	"	6,17
	01430	♀, mature, imperforate, nulliparous, 23g	"	"	7,13
Dec 19	01440	♂, early mature, nonbreeding 21g	"	"	5,11
	02100	♀, mature, imperforate, parous 22g	"	"	5,11
	01410	♂, mature, nonbreeding. 22g	"	GRID MC-1	10,11
	02100	♀, mature, imperforate, nulliparous 19g.	"	"	5,14
Dec 20	01420	♂, mature, nonscrotal Previously ~~ear~~ ear tagged; White spot on tail 20mm from tip (Was #791, tagged June 27)	"	"	7,5
	01430	♀, mature, imperforate, parous Previously ear tagged; missing (20mm) tip of tail	"	"	5,14
(Dec 19	02120	♂, mature, nonbreeding.	"	GRID RC-1	5,11)
Dec 20 (con't)	02130	♀, mature, ~~non~~ imperforate, parous,	"	"	6,17
	02140	♂, mature, nonbreeding	"	"	5,16

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PEROMYSCUS CALIFORNICUS

Hastings Reservation, Monterey Co., CA.

June 5 #1929 ♀, juvenile, nonbreeding - 158-85-25-21
Ear tagged & released. Trapline II. Madrone Canyon, # 1

1930 ♀, juvenile, nonbreeding - 183-88-25-19.
Ear tagged & released. Trapline II. Madrone Canyon, # 2

1931 ♀, mature, late pregnancy 212-107-26-23 White tail tip
Ear tagged & released, Trapline II. Madrone Canyon # 2

1933 ♂, subadult, non-breeding 199-109-26-24
Ear tagged & released, Trapline I, Madrone Canyon, # 3.

1934 ♀, mature, pregnant 221-122-27-24. White tail tip
Ear tagged & released. Trapline II Madrone Canyon # 4

1935 ♂, mature, nonbreeding 224-123-26-24.
Ear tagged & released Trapline II. Madrone Canyon # 6

1936 ♂, mature, nonbreeding 210-115-26-24. White tail tip
Ear Tagged & released. II # 7

1937 ♂, subadult, nonbreeding 199-106-25-24
Ear tagged & released II # 9. caught in same trap as 1938.

1938 ♀, subadult, nonbreeding 201-107-25-25 White tail tip
Ear tagged & released II #9

1939 ♀, adult, nonbreeding (vulva crusty) 234-128-26-25
Ear tagged & released. II # 9

1941 ♀, immature, nonbreeding 180-97-25-22 faint White tail tip
Ear tagged & released II #10

retagged 7 Nov.
June 6 #1008 ♂, mature, nonbreeding 234-126-26-24
~~#1952~~ Ear tagged & released II #1

(#1931 - recaptured, station #1, Trapline II)

#1953 - ♂, early mature (head grey), non breeding. 223-121-26-26.
Ear tagged & released II #2

(#1933 - recapture, same location as June 5)

~~#1954~~ - ♀, subadult, vulva slightly open.

#1957 ♂ mature, nonbreeding 224-128-28-26
Ear tagged & released. II # 7

(#1936 - recapture, same location as June 4)

(#1939 - recapture, II # 8) see journal for behavior.

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PEROMYSCUS CALIFORNICUS (cont 2)

Hastings Reservation, Monterey Co, CA.

June 6 (con't) #1959 ♂, mature, nonbreeding. 208-113-27-25. Ear tagged & released. Trapline II (Madrone Canyon) #10

June 7 #1964 ♀, mature, vulva crusty. 225-121-27-25. White tail tip, ~13mm. Reddish breast & chin. Tagged & released. Trapline II (Madrone) #-2

#1965 ♂, mature, nonbreeding. Dark tail tip. Tagged & released. Trapline II #-2

#1966 ♂, mature, nonbreeding. 228-124-25-25. Dark tail tip. Tagged & released. Trapline II, #-1

#1967 ♀, mature, vulva crusty, perhaps early preg. 240-131-26-24. T&R. Trapline II #-1

(#1952 - station #1)

#1971 ♀, mature, vulva open, nipples minute. 224-117-27-26. T&R. Trapline II #2. White tail tip

(#1931 - station #2. Not pregnant. caught in same trap as 1930♂)

(#1930 - station #2. Caught in same trap as 1931♀)

#1972 - ♂, mature, nonbreeding. 239-129-27-24 Dark tail tip. T&R. left ear has 2mm np. Trapline II #3.

(#1953 - station #3)

(#1933 - station #3)

(#1934 - station #4)

#1973 - ♀, mature, vulva slightly open. 240-131-26-26. Dark tail tip T&R. Trapline II #4.

(#1935 - station #6)

(#1957 - station #7)

(#1936 - station #7)

(#1938 - station #8)

tagged rt. ear #695 July 25, 1986

#1979 - ♀, mature, nonbreeding. 218-115-27-26. Dark tail tip. T&R. Trapline II #9.

#1980 - ♀, mature, nonbreeding 225-129-26-26. White tail tip. T&R. Trapline II #10

#1981 - ♀, mature, vulva crusty 240-125-26-25. Dark tail tip. T&R. Trapline II #10

(#1941 - station #11)

#1983 - ♀, juvenile. 188-112-26-24. T&R. White tail tip (~1mm) Trapline II, #11.

#1985 - ♀, late subadult. White tail tip. T&R. Trapline II #13

#1986 - ♂, mature, nonbreeding. 231-126-26-25. Dark tail tip. T&R. Trapline II #14.

See Journal June 7, for description of refuge sites excavated.

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PEROMYSCUS CALIFORNICUS (cont - 3)

Hastings Reservation, Monterey Co., CA.

June 7 (cont) The following are capture results from a night check beginning at 2246 hr.

(#1964 - recapture, station - 2)

#723 - ♀, mature, nonbreeding - COLLECTED. White tail tip. Trapline II, Madrone Canyon. st # - 2.

(1967 - recapture, station - 1)

(#1966 - recapture, station - 1)

(#1952 - recapture, station 1)

#1991 - ♀, mature, vulva open. Nipples big, but not lactating. White tail tip. Trapline II, Madrone Canyon, st # 2. Tagged & released.

(#1931 - recapture station 2)

(#1953 - recapture, station 3)

(#1932 - recapture, station 3)

(#1973 - recapture, station 4)

(#1956 - recapture, station 5)

June 8 #1993 - ♂, mature, nonbreeding. Red on neck & chest area. Dark tail tip. Tagged & released. Trapline II, Madrone Canyon, st # 6.

(#1934 - recapture, station 6)

(#1957 - recapture, station 7)

(#1936 - recapture, station 7)

#1994 - ♂, mature, nonbreeding. Dark tail tip. Tagged & released. Trapline II, Madrone Canyon, st # 7.

(#1979 - recapture, station 8)

(#1938 - recapture, station 8)

(#1939 - recapture, station 9)

(#1981 - recapture, st. 10)

(#1941 - recapture, st. 10)

#1995 - ♂, mature, nonbreeding - White tail tip - Tagged & released. Trapline II, Madrone Canyon, st # 11 -

(#1959 - recapture, st. 11)

(#1980 - recapture, st. 12. White tail tip)

(#1985 - recapture, st. 12 White tail tip)

#1998 - ♀, mature, vulva closed - Dark tail tip. Tagged & released. Trapline II, Madrone Canyon, st - 13 -

(#1987 - recapture, station 14)

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PEROMYSCUS CALIFORNICUS (Cont-4)

Hastings Reservation, Monterey Co., CA

June 25	#737	♀, immature, nulliparous. Ear-tagged & released (ET & R) White tail tip. ~4mm	Grid MC-1	(9,5)
	738	♀, immature, nulliparous. ET & R. White tail tip ≈ 10.5 mm.	"	(9,5)
	739	♂, mature, nonbreeding. ET & R. Dark tail tip.	"	(9,7)
	740	♂, mature, nonbreeding. ET & R Dark tail tip.	"	(9,8)
	746	♂, early mature, nonbreeding. ET & R Dark tail tip.	"	(8,12)
	747	♂, early subadult, nonbreeding. ET & R Dark tail tip.	"	(8,11)
June 26	757	♀, early mature, vulva closed. ET & R Dark tail tip.	"	(8,6)
	758	♂, mature, nonbreeding. ET & R Dark tail tip	"	(9,6)
	762	♂, mature, nonbreeding. ET & R Dark tail tip.	"	(10,6)
	764	♀, immature, nulliparous. ET & R Dark tail tip	"	(10,6)
	766	♀, mature, vulva closed, nulliparous ET & R White tail tip ≈ 2mm. Caught by tail in trap, cut off & posterior 50 mm.	"	(10,10)
	768	♂, mature, nonbreeding. ET & R. Dark tail tip	"	(10,14)
	772	♀, mature, vulva closed. ET & R. Dark tail tip	"	(9,14)
	773	♂, mature, nonbreeding. ET & R Dark tail tip	"	(9,13)
	783	♀, early mature, nulliparous. ET & R White tail tip ≈ 5 mm.	"	(8,8)
	788	♀, late subadult, nulliparous. ET & R. Dark tail tip	Trapline VII, arroyo leading to Robertson Creek	
June 27	793	♀, mature, vulva crusty, appears nulliparous. ET & R. Dark tail tip.	Grid MC-1	(8,6)
	795	♂, subadult, nonbreeding. ET & R Dark tail tip	"	(10,5)
	796	♀, mature, parous, vulva crusty. ET & R Dark tail tip	"	(10,6)
	798	♂, mature, nonbreeding. ET & R White band 3mm from tip.	"	(10,7)
	438	♂, immature, nonbreeding. ET & R. White tail tip ≈ 6mm.	"	(10,13)
	790	♀, mature, parous. Mammae very large but not lactating. Trapline VII, White tail tip ≈ 12mm. chaparral behind Red House.		
June 28	471	♂, late subadult, nonbreeding. ET & R	Grid MC-1	(10,14)

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Peromyscus californicus (cont-5)

Hastings Reservation, Monterey Co., CA.

June 29	#475	♀, immature, nulliparous. Ear tagged & released (ET&R). Dark tail tip.	GRID MC-1	(7,7)
	489	♀, mature, vulva crusty, nulliparous. ET&R.	"	(7,9)
June 30	484	♀, subadult, nulliparous. ET&R. Dark tail tip.	"	(7,5)
	496	♀, mature, crusty vulva. ET&R.	"	(9,7)
	2633	♂, mature, nonbreeding ET&R Dark tail tip	"	(6,9)

Summary of Fluorescent Pigment Results

	ORANGE	DARK GREEN	LIME GREEN	RED
6/28 =	1991 ♀, perforate	1952 ♂	1935 ♂	1939 ♀
	1991 - reclusted	1952 - reclusted		1939 - reclusted
6/29 =	758 ♂	(475 - not ♀ around mouth)		1994 ♂
	740 ♂			
6/30 =	739 ♂	1931 ♀, perforate		1936 ♂
	740 ♂	1929 ♀		1994 ♂
	1991 - reclusted			1939 - reclusted
				1938 - ♀
7/1 =	739 ♂	(793 ♂ - back & feet only)		1936 ♂
	740 ♂	1931 ♀, scabby vulva		1994 ♂
		1929 ♀		

July 2	#2646	♀, mature, parous. Vulva crusty & mammae swollen. Transect MC-1(A), st 9. Ear tagged & released.	off of grid MC-1.
	2647	♀, mature, vulva scabbed over. E.T & R. Dark-tail tip	Transect IX - Robertson Creek Canyon
	2648	♂, mature, scrotal testes. ET & R Dark-tail tip	" "
	2649	♂, mature, scrotal testes. ET & R. Dark tail tip	" "
	835	♀, mature, pregnant. (2 young palpable). ET & R	" "
	838	♀, mature, vulva scabbed. ET & R. Dark tail tip	Transect IX, Finch Creek
July 3	843	♂, subadult, nonbreeding. ET & R. Dark tail tip	Transect MC-1(B), station 5
	848	♂, subadult, nonbreeding. White tail tip.	Transect IX - Robertson Creek Canyon.
	845	♀, mature, Perforate. ET & R. Dark tail tip	" "
	846	♀, immature, nulliparous. ET & R Dark tail tip.	" "

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PEROMYSCUS CALIFORNICUS (E[redacted] cont-6)

Hastings Reservation, Monterey Co. CA.

July 3 (con't) #849 ♂, mature, nonbreeding. Ear tagged & released. Transect XII - Top of Arnold Dark tail tip, (ET & R) tagged L-ear (rt. torn)

876 ♀, early subadult, nulliparous. ET & R. " "

877 ♂, mature, testes swollen, not scrotal. ET & R " "
White tail tip

0100 ♀, subadult, nulliparous. Toe-clipped & released. Trapline XI, ½ up Arnold
Tail tip w/no hair at all ~10mm, knobby like

881 ♂, mature, nonbreeding. Ear tagged & released. Trapline XIII, West Ravine.
Dark tail tip.

884 ♀, mature, vulva scabby, parous. ET & R. " "

July 4 #886 ♀, mature, vulva intermediate, parous. ET & R Trapline XII - Top of Arnold
Dark Tail tip.

888 ♀, mature, slightly perforate, parous ET & R " "
Dark tail tip

891 ♀, mature, vulva crusty, appears nulliparous. ET & R " "
Dark tail tip

892 ♀, mature, vulva crusty, parous. ET & R. Transect X, Robertson Creek Canyon
Dark tail tip

Notes on P. californicus: Californicus is the most docile & easiest to handle of all the Peromyscus. Rarely does it escape swiftly, rather it usually ambles off. It's not very agile, and although it will climb, it is clumsy. Two morphological features distinguish these animals. 1 - hind foot almost always ± 25 mm in adult animals & close to 25 in immatures. 2 - white tail tip, which is most numerous in Madrone Canyon. The white tips show up infrequently in other areas, as well.

Russell Reservation, Contra Costa Co., Calif.

July 14 #899 ♂, late subadult, testes swollen but not scrotal. Trapline II (10), end of valley road.
Dark tail tip

896 ♀, mature, vulva perforate, parous. Trapline III (7), end of valley road.
Tail tip dominated by white hairs from ventral side, otherwise dark tip.

Hastings Reservation, Monterey Co., Calif.

July 25 895 - Retag of #1979, tag which is almost ripped out. GRID MC-1

2648 - ♂, mature, nonbreeding, 39g. Tagged & released. Trapline X - st #5 (Robertson Creek)

2649 - " " " 45g. " " " " #9

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PEROMYSCUS CALIFORNICUS (con't - 7)

Hastings Reservation, Monterey Co. CA.

July 26	0100	♂, early mature, nonbreeding, 23g. Ear-clipped; st. Trapline X, st (Robertson Creek)			-1
	609 0110	♀, mature, perforate, pregnant 37.5g. 2 palpable fetuses, Ear tagged 21 Aug	"	"	2B
Probable: 1pst tag retagged #1001	610 0120	♀, early mature, scabby vulva, 31g appears nulliparous Ear tagged 21 Aug	"	"	2B
retagged #1928 on GRID RC	~~608~~ ~~0130~~	♀, immature, nulliparous, 21g Ear tagged 20 Aug	"	"	3B
	618 ~~0200~~	♀, subadult, nulliparous Ear tagged 21 Aug.	"	"	9
July 27	~~0200~~	♀, immature, nulliparous, 10.5g ~~Ear tagged 21 Aug. This one based on location, not above.~~	"	"	6
	0210	♂, subadult, nonbreeding, 35g	"	"	4B
	606 0220	♂, immature, nonbreeding, 17g. Ear tagged 20 Aug	"	"	2
	0020	♀ mature, nonbreeding. 36g. nulliparous	Used natural block mear w/ hole below	"	-1

SUMMARY OF FLUORESCENT PIGMENT WORK ON MC-1:

	Lime Green	Orange	Dark Green	Red
7/25	1979 ♀ - Dusted	1991 ♀ - Dusted	796 ♀ - Dusted	1934 ♀ - Dusted
7/26		1991 - Redusted 740 ♂	796 - Redusted 762 ♂	1934 - Redusted 1935 ♂
7/27		740 ♂ 739 ♂ (not sure, see notes)	762 ♂ 489 ♂	

Trapline X Results:

7/26 - Red 835 ♀ - Dusted

7/27 0200 - ♀ (the immature 0200)

Aug. 19	605	♂, mature, nonbreeding. Ear tagged & released.		Grid MC-1. (Madrone Canyon)	St. 9, 10
Aug. 22	615	♂. mature, nonbreeding.	"	Grid RC-1 (Robertson Creek	St. 9, 17
	616	♀, early mature, nonbreeding, nulliparous	"	" (SEE Note Aug 23)	6, 10
	618 ~~0210~~	♂, immature, nonbreeding.	"	"	7, 10

Summary of Fluorescent Pigment Work on MC-1:

	Dark Green	Orange	RED	Lime Green
8/19	1952 ♂ - Dusted	773 ♂ - Dusted	1931 ♀ - Dusted	1953 ♂ - Dusted
8/20	1929 ♀ - Probable 762 ♂		1931 - redusted	1953 ♂ - Redust
8/21				757 ♀

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PEROMYSCUS CALIFORNICUS (cont-8)

Hastings Reservation, Monterey Co., CA.

Aug 23 CAUGHT #6116 upstream from Grid ~0.1 mi while trapping for misc. animals to be used in mammalogy class. Released it where I captured it. This is a one night movement, since I caught it on the grid earlier in the evening.

SUMMARY OF FLUORESCENT PIGMENT WORK on RC-1:

	RED	ORANGE	GREEN
Aug 21	♀ 610 - Dusted	835 ♀ - Dusted	6016 ♂ - Dusted
Aug 22	615 ♂	2649 ♂ 835 - Redusted	2648 ♂
Aug 23	609 ♀	835 - Redusted	2648 ♂

Aug 27 #1 Prepared by Laura Cunningham (Zool 163.) I collected the ♀ on ~~27~~ 23 August 0.1 mi upstream from grid RC-1. She was pregnant, with 2 young. Measurements for the mother are 246-141-27-23 = 500g. The crown-rump measures of the young were 37 & 35 mm.

Oct 17	#1004 -	♀, mature, 38g, parous, imperforate, (nipples semi-swollen)	grid RC-1 station	6,14
Nov 7	1007 -	♂, immature, 17g. Ear-tagged	grid MC-1 ,	10,6
Dec 18	1014 -	♂, late subadult, nonbreeding 35g (ear clipped 0300, but I didn't do it)	grid RC-1	6,14
	1009 -	♀, subadult, nulliparous 30g	"	5,13
	1010 -	♂, subadult, nonbreeding 32g	"	6,13
	1012 -	♂, juvenile, nonbreeding 29.5g	"	6,10
Retagged #1944 30 Oct 1987	~~1015~~ -	♂, subadult, nonbreeding 34g	"	6,13
	1016	♀, juvenile, nulliparous 24g	"	6,11
	1017	♂, juvenile, nonbreeding 30g	"	8,10
Dec 19	1018	♂, juvenile, nonbreeding 25g	"	10,14
Dec 20	1020	♂, early mature, nonbreeding 38g	Grid RC-1	6,10
	1021	♀, subadult, nulliparous 30g	Grid MC-1	9,10

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PEROMYSCUS MANICULATUS

Hastings Reservation, Monterey Co., CA.

June 4 — #1912 - ♀, subadult, nulliparous, 139-65-14-16
ear tagged & released, Trapline III, #7, at edge of Chamise border, top of Haystack Hill

#1921 - ♂, early adult, scrotal testes, 142-67-25-15
ear tagged & released, Calhoun Chaparral line, #10. - ~~(not sure on id)~~ see below June 6.
} snap trapped by Z's class, 8 Jun 86

June 6 — #1943 - ♂, mature, scrotal testes. 135-65-18-16.
Ear tagged & released. Trapline III, #7, at edge of Chamise edge, top of Haystack Hill

(#1921 - station #8 - positive ID made)

June 7 — (#1921 - station #8, scrotal testes)

June 27 — #0340 — ♀, mature, crusty vulva, appears early pregnancy. Toe-clipped & released. Trapline VIII, Robertson Creek drainage

July 2 — 0100 — ♂, mature, scrotal testes. T.C. & R. Trapline IX, Finch Creek Canyon

July 3 — 0100 — ♀, mature, nulliparous. T C & R. Trapline X, Robertson Creek Canyon

	0110	♀, mature, pregnant. TC & R	"	"
	0120	♂, mature, scrotal testes. TC. & R	"	"
July 4	0130	♀, mature, pregnant (palpable). TC & R	"	"
	0140	♂, mature, nonbreeding. TC & R	"	"

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PEROMYSCUS TRUEI

Hastings Reservation, Monterey Co., CA.

June 4 #1910 - ♀, late subadult, nulliparous 177-94-23-24
ear tagged & released, Trapline III, station #6, edge of Chamise at top of Haystack Hill

#1913, ♀, mature, nonbreeding 179-94-24-25
ear tagged & released, Trapline III, station #8, inside Chamise edge at top of Haystack Hill.

#1914, ♀, early subadult, nulliparous 176-95-24-24
ear tagged & released, Trapline II, #2, interior of Chamise at bottom of Haystack

#1915 ♀, mature, pregnant 198-108-24-25
ear tagged & released, Trapline II, #5, interior of Chamise at bottom of Haystack

#1916 ♂, mature, nonbreeding (testes abdominal) 180-96-25-25
ear tagged & released, Trapline II, #7 interior of Chamise at bottom of Haystack

June 5 (#1910 - recapture - same location as 4 June)

#1918 - ♀, mature, nonbreeding 172-82-22-23
ear tagged & released, ~~Trapline~~ Chaparral Calhoun line, st #2 Haystack Hill

#1920 - ♂, mature, nonbreeding 182-94-24-24
ear tagged & released, Chaparral Calhoun line, st. #9.

(#1915 - recapture - Trapline II, #2. Not pregnant, so she probably gave birth. Teats swollen & red, but not lactating)

#1928 - ♂, mature, testes swollen but abdominal 180-90-23-24
ear tagged & released, Trapline II, #8, interior of Chamise at bottom of Haystack Hill.

June 6 #1942 - ♂, early adult (molt behind ears), nonbreeding. 195-100-24-25
Ear tagged & released, Trapline III, #3, 1m ins. de Chamise edge at top of Haystack Hill.

(#1913 - same location as June 4)

#1944 - ♂, mature, nonbreeding. 177-85-24-25
Ear tagged & released. Trapline III, #9, edge of Chamise at top of Haystack Hill.

(#1918 - same location as June 5)

#1946 - ♂, mature, nonbreeding - 184-101-23-23.
Ear tagged & released. Calhoun Chaparral line #5.

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PEROMYSCUS TRUEI (cont. 2)

Hastings Reservation, Monterey Co., CA.

June 6 (#1916 - recapture, station 3, Trapline II)

June 7 #1960 ♀, mature, vulva open, teats swollen but not lactating 185-103-24-25
Tagged & released. Calhoun Chap. line #3

(#1946 - ♂, mature, testes swollen but not scrotal
station # 8)

(#1913 - station # 7)

(#1942 - station #4)

(#1910 - station #3)

June 25 # 726 ♀, late subadult, vulva slightly perforate. nulliparous. Trapline III, behind Red House
Eartagged & released (ET&R)

727 ♀, early subadult, nonbreeding. ET&R. " "

728 ♀, mature, vulva closed. parous. ET&R " "
mammae large

729 ♀, mature, vulva perforate, parous. ET&R " "
Rt. ear has large rip.

730 ♂, early mature, nonbreeding. ET&R " "

731 ♂, mature, testes slightly swollen but non-scrotal. ET&R " "

June 26 751 ♂, mature, nonbreeding. ET&R " "
- caught in Red House by M. Stanback 27 Nov 1986

752 ♂, mature, testes swollen & close to breeding. ET&R " "

753 ♀, immature, nonbreeding. ET&R. " "

754 ♀, immature, nonbreeding. ET&R. " "

~~June 27~~ ~~789~~ ~~♂, early mature, nonbreeding. ET&R~~ "

760 ♀, early subadult, nulliparous. ET&R Grid MC-1 (10,5)
~~759~~

763 ♀, mature, vulva closed. ET&R. Grid MC-1 (10,7)

765 ♀, mature, vulva closed, parous. ET&R. " (10,8)

June 27 797 ♂, mature, testes swollen, not quite scrotal ET&R " (10,6)

799 ♀, subadult, nulliparous. ET&R. " (10,8)

800 ♂, mature, testes swollen & semi-scrotal. ET&R " (10,8)

436 ♀, mature, vulva perforate & crusty. ET&R " (10,10)

789 ♂, early mature, nonbreeding. ET&R. Trapline VIII, behind Red House

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PEROMYSCUS TRUEI (cont-3)

Hastings Reservation, Monterey Co., CA.

June 28 #470 ♂, mature, testes swollen & semi-scrotal. Ear-tagged & released. Grid MC-1 (10,11) (ET&R)

t.c.040 17 Dec.

June 29	476	♂, early mature, nonbreeding. ET&R.	"	(10,5)
June 30	485	♂, mature, nonbreeding. ET&R	"	(10,8)
July 1	2634	♀, mature, vulva closed, parous. ET&R	"	(9,7)
July 2	2640	♂, mature, nonbreeding. ET&R. Trapline MC-1 (A), st. #4.		
	2641	♂, subadult, nonbreeding. ET&R.	"	" , #7.
	2642	♀, late subadult, nulliparous. ET&R.	"	" , #8
	2643	♀, mature, parous (mammae very swollen). ET&R	"	, #9
July 3	841	♀, mature, vulva closed, parous. ET&R.	"	, #6
	842	♂, mature, testes scrotal. ET&R	"	, #9
	848	♂, mature, testes intermediate swollen. ET&R. Trapline XII. ~~West~~ Top of Arnold		
	847	♂, mature, scrotal testes. ET&R	"	"
	879	♀, mature, perforate vulva, maybe parous. ET&R. Trapline XIII, West Ravine		
	880	♂, mature, nonbreeding. ET&R.	"	"
	882	♂, mature, nonbreeding. ET&R	"	"
	883	♂, early mature, nonbreeding. ET&R	"	"
	885	♀, mature, vulva perforate, parous. ET&R	"	"
	733 Coll no.	♂, mature, scrotal testes. Trap mortality See Catalog	"	"
July 4	887	♂, mature, nonbreeding. ET&R. Trapline XII, Top of Arnold.		
	889	♀, mature, vulva ~~crusty~~ perforate, parous. ET&R.	"	"
	890	♀, mature, vulva crusty, parous. ET&R	"	"
	893	♂, late subadult, nonbreeding. ET&R. Trapline XIII, West Ravine		
	894	♂, mature, testes swollen but not scrotal. ET&R	"	"

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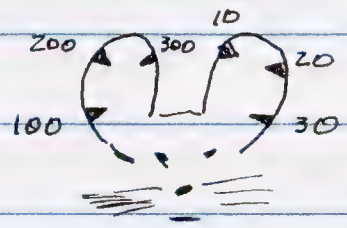
PEROMYSCUS TRUEI (cont-4)

Russell Reservation, Contra Costa Co., Calif.

July 13	#601	♂, mature, scrotal testes (barely, very small). Ear tagged & released.	"	"	Trapline I (NNW of observatory) st #1	
	602	♀, mature, parous, closed vulva.	"	"	"	st 1
	603	♂, early mature (head grey), testes barely scrotal.	"	"	"	st 2
	0100	♂, early mature (head grey), testes barely scrotal. Ear-clipped* & released	"			st. 6

* Ear clip system:



0110	♀, immature, nulliparous. Ear-clipped & released	"			st. 6
0120	♂, mature, scrotal testes.	"	"	'	st. 9
0100	♂, early mature, nonbreeding	"	"	Trapline II (w. end of valley rd.)	st. 3
0110	♂, mature, testes swollen but non-scrotal	"	"	"	st. 3
0120	♂, mature, nonbreeding -	"	"	"	st. 4
898	♂, mature, scrotal testes. Previously tagged by D. Wagner.			"	st. 6
0100	♀, mature, vulva perforate, parous. Ear-clipped & released.			Trapline III (w. end of valley rd.)	st. 1
0110	♂, mature, scrotal testes.	"	"	"	st. ~~3~~ 3
0120	♀, early subadult, nulliparous	"	"	"	st. 5
0130	♀, subadult, nulliparous.	"	"	"	st 3
0200	♀, subadult, nullyparous	"	"	"	st. 7
0210	♂, mature, scrotal testes	"	"	"	"
0220	♂, mature, scrotal testes	"	"	"	st. 8
0230	♀, mature, vulva closed, appears nulliparous.	"	"	"	"
0300	♀, immature, nulliparous. Tiny ≈ 10g		"	"	st. 9
0310	♀, mature, pregnant (palpable)	"	"	"	st. 10
0100	♀, subadult, nulliparous	"	"	Trapline II (s side of valley)	st. 2
0300	♂, mature, testes swollen intermediately but not-scrotal	" (natural notch)	"	"	st. 4
0110	♂, immature, nonbreeding.	"	"	"	st. 6
0120	♂, immature, nonbreeding. Tiny ≈ 10g	"	"	"	st. 7
0130	♀, mature, vulva closed, probably early pregnancy	"	"	"	st. 7
0200	♀, mature, vulva closed, parous	"	"	"	st. 8

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PEROMYSCUS TRUEI (con't - 5)

Russell Reservation, Contra Costa Co., Calif.

July 13 (con't)	0210	♂, immature, nonbreeding. Ear-clipped & released.	Trapline II.		St. 10
	0230	♂, mature, testes swollen but non-scrotal.	" "	Trapline IV (S side of valley floor)	St. 8
	0220	♂, immature, nonbreeding.	" "	"	St. 6
	0300	♀, early mature, vulva closed, nulliparous.	" "	"	St. 7
July 14	0210	♂, mature, scrotal testes. Natural ear-notch.	Trapline I (WNW of observatory)		St. 3.
	0200	♀, mature, vulva closed, parous. Ear-clipped & released.	Trapline II (end of valley rd)		St. 1
	0320	♂, mature, testes barely scrotal.	" "	"	St. 2
	0330	♂, early mature, nonbreeding	" "	"	St. 5
	0320	♀, late subadult, nulliparous	" "	Trapline III	St. 3
	0330	♀, mature, parous, vulva closed. Maybe early pregnancy	" "	"	St. 8
	0320	♂, mature, scrotal testes (barely)	" "	"	St. 9
	0300	♂, mature, testes swollen but non scrotal.	" "	Trapline V (S side of valley)	St. 1
	No tag	♂, mature, testes soft & non-scrotal.	" "	"	St. 4.
	No tag.	♂, mature, nonbreeding		"	St. 5
	0010	♂, mature, scrotal testes. Natural notch on ear.		"	St. 7
	No tag.	♂, immature, nonbreeding.		"	St. 10
	No tag.	♀, mature, vulva closed, mid-pregnancy		Trapline IV	St. 5
	No tag	♂, early subadult, nonbreeding.		"	St. 2.

Hastings Reservation, Monterey Co., Calif.

July 26	0240	♀, immature, nulliparous. 12g. Toe-clipped & released.	Grid MC-1 (Madrone Canyon)		(St. 9, 11)
July 27	0100	♀, subadult, nulliparous	" "	"	9, 5
	0110	♂, early subadult, nonbreeding.	" "	"	8, 9
Oct 17	0200	♂, immature, nonbreeding 16g	" "	"	10, 11
	0400	♂, subadult, nonbreeding 24g	" "	"	10, 7
	0210	♀, mature, nulliparous, 26g previously ear-tagged but lost it	" "	"	10, 10
Dec 18	02120	♂, mature, nonbreeding, 17g	" "	"	10, 11
Dec 19	01110	♀, mature, nulliparous, 25g previously ear tagged (but lost it	" "	"	10, 8

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NEOTOMA FUSCIPES

Hastings Reservation, Monterey Co, CA.

June 5 — #1927 - ♂, no obvious testes, total length ≈ 330mm, grayish brown color, ear tagged & released. Trapline II, #2, interior of chamise at bottom of Haystack Hill

#1925 - ♀, subadult (mostly gray w/ some brown on sides), ~~null~~ nulliparous ~~Trapline II~~ ear tagged & released. Trapline I, #9, on edge of chamise at bottom of school hill.

June 6 — #1945 - ♀, mature, non-lactating (didn't get good look at vulva because she escaped. Trapline III, #9, 1m inside chamise edge at top of Haystack Hill. Ear tagged & released.

#1948 - ♀, subadult (mostly gray with some brown), nulliparous Ear tagged & released. Total length ≈ 300mm. Trapline I, #1. 1m interior of Chamise border, bottom of Haystack Hill

#1949 - ♀, subadult (mostly grey w/ some brown), nulliparous. Ear tagged & released. Total length ≈ 290mm. Trapline I, #3, 1m interior of chamise edge, bottom of Haystack Hill.

(#1925 - recapture, same location as June 5)

#1950 - ♀, mature, vulva open, teats large & swollen. Ear tagged & released. Trapline I, #9, edge of Chamise at bottom of Haystack Hill.

#1951 - ♀, mature, lactating - Ear tagged & released. Trapline II, #8, interior of Chamise at bottom of Haystack Hill.

#1954 - ♀, subadult. (some grey), vulva slightly open. Total length < 300mm. Ear tagged & released. Trapline V, Madrone Canyon, Station #3.

June 7 — #1961 - ♀, late subadult (mostly brown w/ some grey), vulva intermediately open. Total length ≈ 290mm. No warbles. Trapline III, Station #9, edge of Chamise at top of Haystack Hill. Tag & Release

#1962 - ♀, adult (head grey), vulva open. Total length ≈ 310 mm. No warbles. ~~Ear~~ tagged & released - Trapline ~~III~~, Station #5, edge of chaparral at top of Haystack Hill.

June 2~~5~~	736 -	♀, mature, vulva intermediate perforate, non lacting. Ear tagged & released. (ET&R)	Grid MC-1	(8,5)
	742	♀, subadult, nulliparous. E.T.&R. Caught by tail resulting in scab ½ down tail	"	(5,9)
	745	♀, mature, vulva perforate, parous. ET&R	"	(9,10)
June 26	759	♂, mature, testes swollen but not scrotal. ET&R	"	(9,5)
	767	♂, immature (all grey), non breeding. ET&R	"	(10,12)
	769	♂, subadult, non breeding. ET&R.	"	(10,14)

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NEOTOMA FUSCIPES (con't - 2)

Hastings Reservation, Monterey Co, CA.

June 26 (con't) #774 ♂, subadult, nonbreeding. Eartagged & released. (ET & R) Grid MC-1 (9,13)

775 ♀, mature, vulva closed, parous (mammae very swollen) ET & R " (9,12)

779 ♀, subadult, nulliparous. ET & R. Grid MC-1 (9,10)

781 ♂, subadult, nonbreeding. ET & R " (9,9)
Warble on left shoulder (only one seen on all Neotoma on this grid. 20mm of tail covering missing

786 ♀, mature, vulva slightly perforate, appears nulliparous. ET & R " (5,8)

June 27 437 ♀, subadult, nulliparous. ET & R. " (10,11).

440 ♂, mature, nonbreeding ET & R " (9,12)

447 ♀, subadult, nulliparous. ET & R " (5,9)

June 29 2638 ♀ subadult, nulliparous ET & R " (6,14)

Note: See Journal June 24 for map of Grid MC-1 and location of Neotoma middens relative to trap stations. Also, Neotoma captured on Transects were not ear tagged (to save on limited supply of tags), so see Journal entries for information on untagged animals.

Summary of Results - EARLY (see GRID DATA FOR COMPLETE results):-

P. californicus: 22 total captures; all recaptures (13 ♂: 9 ♀)

P. boylii: 25 total captures (15 ♂: 10 ♀); 1 new (♀)

P. truei: 5 total captures (2 ♂: 3 ♀); 1 new (♀)

N. fuscipes: 12 total captures; 10 previously tagged (4 ♂: 6 ♀)

M. californicus: 1 recapture (♂)

Total 65 total captures

Misplaced info - see Journal July 26

LATE SUMMARY

P. californicus: 12 total captures (6 ♂: 6 ♀), all recaptures

P. boylii: 16 total captures (9 ♂: 7 ♀), all recaptures

P. truei: 7 total captures (1 ♂: 6 ♀), all recaptures

N. fuscipes: 8 total captures; 6 tagged animals (3 ♂: 3 ♀)

M. californicus: 1 recapture (♂)

Total 44 total captures

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NEOTOMA FUSCIPES (cont - 3)

Hastings Reservation, Monterey Co., CA.

Aug 20	#611	♀, early mature, nulliparous.	Ear-tagged & released.	Grid RC-1; (Robertson Creek)	st. 5,13
Aug 22	617	♂?, mature, nonbreeding.	"	"	"	7,17
	644	♀, early mature, appears nulliparous	"	"	"	7,9
	0026	mature,	- Natural ear notch	Grid MC-1; (Madrone Canyon)	st 9,5
Aug 23	641	♀, mature, nonbreeding - parous.	~~Ear~~ Ear-clipped & released	Grid RC-1 (Robertson Creek)	5,10

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1987

Microtus californicus (1)

Hastings Natural History Reservation, Monterey Co., Calif.

Feb 2	0100	♂, mature, TND, 60g.	Toe-clipped.	GRID RC-1,	Station 5,14.	
March 28	0100	♀, mature, imp, parous, 42g.	Toe-clipped.	Trapline A on RC-1	St. 4	
	0300	♂, mature, TND, 57g.	"	"	10	
March 29	0300	♀, mature, perforate, parous, 38g,	"	Trapline B on RC-1	St. 9	
June 5	0300	♀, mature(?), nulliparous 29g.	"	Grid RC-1	St. 6,17.	
Oct. 8	0110	♀, mature, perforate, parous. 48g.	" – "	"	"	St. 7,18
Oct. 9	0120	♂, mature, TND.	50g	" – "	"	" St. 6,18
Nov 2	See Journal 3 Dec 87 – animal removed from area. 0130	♂, mature, TND.	60g	" – "	"	" St. 4,13
	0140	♀, mature, lactating, perforate.	39g	" – "	RC-1 drift fence #W-5 (out)	
Nov 6	0200	♀, immature, nulliparous.	16g	" – "	Grid RC-1. St. 4,13	
Nov 8	0210	♂, immature, TND.	19g	" – "	"	" 4,13
Nov 15	0220	♀, mature, perf., parous	54g	" – "	Transect west of RC-1. St. 3.	
Nov 17	0230	♀, " " " preg(?)	56g.	" – "	Grid RC-1 drift fence W-9 (in)	
	0240	♂, Young of 0100? immature, TND.	16g	" – "	Transect east of RC-1.	
	0300	♀ immature, nulliparous	22g	" – "	Transect west of RC-1	
Nov 18	0310	♀, Young of 0100? immature, nulliparous	18g	" – "	Transect east of RC-1	
	0320	♂, immature, TND	14g	" – "	" " " "	
Nov 19	0330	♀, immature, nullip.	15g	" – "	" " " "	
Nov 23	0400	♀, " "	20g	" – "	" " " "	
Nov 24	0410	♀♂, " , TND.	18g	" – "	" " " "	
Nov 25	0420	♂. Subadult, TND.	27g	" – "	RC drift fence. St. W-4 (out).	
Nov 28	0430	♂. Imm, TND.	19g	" – "	Grid RC. St 6,15	

203333